



HAL
open science

Diverse patterns of genomic targeting by transcriptional regulators in *Drosophila melanogaster*

Matthew Slattery, Lijia Ma, Rebecca F. Spokony, Robert K. Arthur, Pouya Kheradpour, Anshul Kundaje, Nicolas Nègre, Alex Crofts, Ryan Ptashkin, Jennifer Zieba, et al.

► To cite this version:

Matthew Slattery, Lijia Ma, Rebecca F. Spokony, Robert K. Arthur, Pouya Kheradpour, et al.. Diverse patterns of genomic targeting by transcriptional regulators in *Drosophila melanogaster*. *Genome Research*, 2014, 24 (7), pp.1224-1235. 10.1101/gr.168807.113 . hal-01837274

HAL Id: hal-01837274

<https://hal.science/hal-01837274v1>

Submitted on 27 May 2020

HAL is a multi-disciplinary open access archive for the deposit and dissemination of scientific research documents, whether they are published or not. The documents may come from teaching and research institutions in France or abroad, or from public or private research centers.

L'archive ouverte pluridisciplinaire **HAL**, est destinée au dépôt et à la diffusion de documents scientifiques de niveau recherche, publiés ou non, émanant des établissements d'enseignement et de recherche français ou étrangers, des laboratoires publics ou privés.

	10T-DFD-GFNA	10T-DFD-GF	5T-eve-GFP	7T-CAD.262	7T-CAD.340	7T-GFP.902
10T-DFD-GFNA	69,1886136		-0,5766911	-0,8722676	2,16451327	-2,0778602
10T-DFD-GF	69,1886136	NA	-3,0442044	0,11270955	6,76795731	-2,6260406
5T-eve-GFP	-0,5766911	-3,0442044	NA	31,5282766	177,708319	27,2694078
7T-CAD.262	-0,8722676	0,11270955	31,5282766	NA	62,4924019	97,15996
7T-CAD.340	2,16451327	6,76795731	177,708319	62,4924019	NA	8,17580408
7T-GFP.902	-2,0778602	-2,6260406	27,2694078	97,15996	8,17580408	NA
AbdB-GFP.A	-0,5678193	0,94619443	21,648901	45,9406175	11,1445434	17,5829789
BDTNP.Iso1	13,9855893	29,1312346	-0,268507	134,541589	-0,9636892	279,660621
BDTNP.Iso1	-5,5885114	-7,1160568	-4,0497409	1,49118948	-6,2515722	16,0917701
BDTNP.Iso1	-1,6186408	-2,1106193	1,20359814	71,3508501	-1,7446282	145,088715
BDTNP.Iso1	-5,94505372	-7,65837993	-8,5161989	-2,3926841	-6,7377244	6,22564867
BDTNP.Iso1	-8,9653944	-11,486862	-13,96711	-11,48554	-10,648839	-9,1514638
BDTNP.Iso1	-0,3519474	1,46069294	0,45013765	165,947095	0,29108927	361,856045
BDTNP.Iso1	-2,8388393	-3,7117555	8,09376313	27,6895236	-3,5131769	62,4746919
BDTNP.Iso1	-1,188456	-1,196052	1,43756228	452,067071	-0,2321107	1164,85731
BDTNP.Iso1	-3,1418345	-4,0784519	-2,0751672	19,3352451	-3,1169835	52,2246689
BDTNP.Iso1	-1,4995195	3,95146802	8,0296381	317,665256	-0,0858803	524,319688
BDTNP.Iso1	-1,8240513	-0,8114195	10,3075942	35,1432885	-1,5786291	91,8546975
BDTNP.Iso1	-3,57599899	-3,2652147	-4,2535488	13,4580757	-4,0121879	32,1332203
BDTNP.Iso1	-1,3441992	-0,602347	3,67235402	254,691854	0,25066634	486,685302
BDTNP.Iso1	-7,5249631	-9,2916939	-10,747485	-6,7760302	-8,2142645	-1,3027241
BDTNP.Iso1	-1,0183985	-1,5403145	31,203698	8,36685695	-1,1611648	29,3175254
Dfd-GFP.Dfd	7,34981096	9,60932575	84,586481	32,4520456	4,88097274	14,4984755
EcR-GFP.26	4,16675249	8,29473629	137,128038	15,2121043	19,7986188	31,7153544
EcR-GFP.26	0,9798546	2,3319326	65,2217994	5,23628693	2,06639493	20,6185815
Eip74-GFP.E	-0,2507252	11,1709958	299,809128	46,1437568	29,5245748	74,0645688
Cmi-0-8_Lpt	3,46146768	12,3234089	104,632265	50,7999707	2,83673631	150,213869
TBP-0-8_Tbp	-2,0455937	-3,1115166	31,7549175	7,52066057	-1,9614967	18,0889455
Furlong.Iso1	-2,05008833	-2,2825688	42,9935983	0,29252238	-1,0252794	18,9763784
Furlong.Iso1	1,97398688	-0,177194	97,7863489	63,9402063	1,14933559	195,66509
Furlong.Iso1	-1,9104437	-2,468545	34,8437492	21,4721716	-1,5456186	62,4048953
Furlong.Iso1	-1,1605882	-1,7643582	46,4517305	5,92675153	-1,3788872	31,4013084
Furlong.Iso1	-0,9325403	-1,8671418	58,2368317	3,87864842	-0,0593692	26,6683633
Furlong.Iso1	-0,7783959	-1,7310363	74,6329918	21,3890672	-0,15521516	60,289644
Furlong.Iso1	-1,6616262	-1,22603	73,3442674	4,39234288	0,07268088	28,8189697
Furlong.Iso1	-0,91233137	-1,8291251	93,8364721	15,0869694	-0,1527463	73,6593366
Furlong.Iso1	-1,03004486	-0,86054156	143,118914	13,0978202	2,62439556	68,9836755
Furlong.Iso1	-0,6690768	-1,0366058	23,7351153	32,7525785	-1,0906266	103,927778
Furlong.Iso1	-1,3520899	-1,5268076	23,4770782	24,3192625	-1,3907953	65,2171987
Furlong.Iso1	-1,5621336	-1,9776115	43,452004	14,8158989	-0,8413944	73,9818536
Furlong.Iso1	-1,5776286	-1,9056504	13,7457238	70,2006072	-1,9196005	144,400874
Furlong.Iso1	-1,7108892	-2,4717682	25,0448114	25,7137949	-1,7838977	72,1787388
Furlong.Iso1	-1,236751	-0,8378327	41,4289332	14,7296261	-1,4289749	48,3357519

Hr46-GFP.TC	20,606464	102,508691	135,481966	11,3310374	3,01815872	43,3029803
Hr78-GFP.Hr	36,8073136	45,4311185	304,416782	52,2122976	63,7450786	62,5867019
Hr78-GFP.Hr	3,05294704	2,38112641	164,640758	-0,2071645	18,7475113	63,7227944
Iso1.24_mod	-2,8110929	-4,0693402	5,23172639	-2,5524394	-3,00755076	-1,047914
Iso1.2558_H	-2,62283355	-3,6911212	55,5087282	-2,0303476	-3,2262695	17,3109954
Iso1.2559_H	-4,6553351	-6,1639759	3,69297455	-5,3263811	-4,7236383	1,98535798
Iso1.2560_H	-4,0456459	-5,9785115	1,20612841	-5,4077941	-4,7040401	1,49710816
Iso1.2561_H	-8,2227495	-10,685248	-15,094883	-12,130445	-8,9832327	-11,949306
Iso1.2562_H	-8,6305096	-10,870294	-15,466411	-12,3562826	-9,7140633	-12,8683128
Iso1.2563_H	-3,7357877	-5,0763718	17,9393793	-4,5919524	-4,397818	3,26167768
Iso1.2564_H	-2,81884827	-4,0519424	14,7065107	2,15011165	-3,28805608	15,2877198
Iso1.2565_H	-3,0263279	-4,5461109	2,59842368	-3,9771155	-3,4322449	4,74924856
Iso1.2566_H	-1,9091282	-2,8568047	11,6505119	-1,7168216	-2,92032982	13,7678548
Iso1.2567_H	-0,845968	-1,3900055	14,1838544	1,03320536	-1,5502297	17,2138123
Iso1.2569_st	-2,4527477	-3,0239889	2,48598109	-3,54727939	-2,5857837	0,21478282
Iso1.2570_ca	-1,367375	0,92268519	-4,7177821	29,4052247	-1,9415209	25,3576945
Iso1.2571_D	-1,72943	-1,4739648	44,6493951	39,6491598	0,25695048	127,65458
Iso1.2572_di	-1,1354205	2,16536108	44,330092	47,216725	0,28085291	151,677705
Iso1.2573_G	-1,3108985	-1,3487819	30,2566816	4,46957259	-1,0039747	23,7020706
Iso1.2575_hk	-1,9042606	-2,8170189	8,28154107	7,26637648	-1,7358213	24,0810321
Iso1.2576_ju	-1,9469249	-2,269275	-1,78637801	0,59267373	-1,80463061	6,12833888
Iso1.2577_se	-2,123283	-2,7537323	-4,7231911	-3,1871001	-2,7514571	-1,9022446
Iso1.2585_E	16,3184975	7,81309347	353,643434	26,1912592	1,81218011	65,3078056
Iso1.2602_m	-0,518129	-0,5502294	65,7308607	10,3149045	1,6767896	33,4402252
Iso1.2603_E	-1,754073	0,05196771	28,327727	189,866914	0,65513574	241,904553
Iso1.27_SuH	-4,8925987	-5,58349798	-8,0515985	-6,6535697	-5,1077393	-7,83617652
Iso1.597_gro	-0,8677537	0,05083097	128,172536	28,8830924	3,15480257	209,93788
Iso1.601_Sni	0,57155884	4,77981187	176,753017	-2,6407346	0,09575886	48,2927585
Iso1.602_brn	5,88091834	8,45720328	292,265247	13,0308113	10,5258051	101,369808
Iso1.603_Ub	-0,93072482	-0,9733935	137,119557	-0,7947718	-0,8145239	453,661219
Iso1.604_zfh	-1,2384144	-1,94346041	165,906542	5,7103	-0,3380932	42,6823154
Iso1.606_DL	-9,5222074	-0,3958731	1842,71374	-0,656598	-0,1693326	1736,44299
Iso1.607_CB	-5,169756	-6,248208	-8,6876238	-7,0006034	-5,3039797	-5,8295661
Iso1.608_chi	-6,3974199	-8,1855342	-13,7155	-10,541646	-7,7142819	-11,1344774
Iso1.610_gst	5,44387136	1,00188106	197,690917	4,80745569	0,71773491	32,7360422
Iso1.611_en	-1,5516105	-0,8420644	57,1214379	33,4797932	0,75318454	59,1091799
Iso1.612_Ub	2,21277096	1,71141475	5,14886871	-1,5927152	4,73925687	64,8412155
Iso1.614_Ub	1,4886657	-1,4288532	80,9110978	9,39918395	1,76177313	164,977186
Iso1.615_ttk	0,44783281	0,76877127	80,4457309	3,54013376	1,99884929	21,036821
Iso1.616_Sta	-0,439366	30,5845172	112,21176	480,58591	3,31060212	901,569621
Iso1.618_kn	-1,5715826	-3,2595206	130,464181	-0,037158	-1,8518873	25,8928955
Iso1.623_gro	-2,6264972	-2,90205532	35,8569917	14,4362213	-0,8690116	67,7526535
Iso1.625_en	-2,641955	-4,4092595	1226,96444	242,260015	-2,641955	105,313919
Iso1.627_cnc	-1,0244236	-1,3819774	37,267006	7,87123601	1,60096682	39,652494

Iso1.628_bat	-1,3457931	-2,1714793	24,3787471	35,6385086	-1,0057387	14,2001486
Iso1.769_CT	-3,2040324	-4,5316123	2,2452696	-2,4516943	-3,2730531	0,69080631
Iso1.770_CT	-3,1197734	-4,4440953	1,11438896	-3,38768454	-3,5861264	-0,05781355
Iso1.898_Kr	-1,5251954	-1,9252266	14,6962455	43,253267	-1,4355892	101,470853
Iso1.901_Su	-5,4126956	-6,9369724	-9,7627453	-7,7941409	-5,7485365	-8,78107013
Iso1.CG1677	-0,7852581	34,8815911	373,040117	501,639981	84,7070892	457,829036
Iso1.CG8478	2,15833727	4,69096714	99,0212462	11,1776694	8,07837051	34,8513274
Iso1.CNC-16	3,11377672	4,31456654	115,26822	7,95901294	15,7425013	53,8672308
Iso1.CNC-Ad	11,4302884	0,45767525	198,509486	13,0249074	30,7611891	53,276683
Iso1.CNC-Ad	-2,119563	-2,9619746	30,9027851	-2,5305867	2,51578366	6,94411722
Iso1.CNC-WI	56,9385423	17,5893558	492,242281	-0,9841376	59,6679491	308,569386
Iso1.DII-WPF	-0,6763048	7,03655314	7,85502625	3,8764557	-0,54927294	8,20586105
Iso1.Fru-0-8	19,8247846	16,993061	34,7987009	1,43605908	-0,8391934	47,3191548
Iso1.Gro-WP	-0,7774398	2,02301541	30,9635992	4,32459841	2,82161825	17,4558834
Iso1.H-0-8_h	5,04743912	31,9222831	3,65733666	5,87195532	-0,4729357	11,3470245
Iso1.HP1-8-1	-12,950621	-13,192718	-16,2234451	-16,052077	-11,450868	-17,095556
Iso1.Hth-0-8	-2,3003826	-2,9805977	24,3900793	42,9764312	-0,3183313	109,612024
Iso1.Hth-8-16	-1,168927	-2,232438	78,4139342	22,4775578	7,27479564	108,463433
Iso1.Myc-W3	-2,0692023	-2,585862	22,7998909	12,9374061	-1,1755658	7,91055019
Iso1.Prd-RF1	-0,602957	-0,8890807	302,404437	106,086511	37,0840737	79,3979025
Iso1.Prd-RF1	-0,3103326	-0,6810103	1140,42251	18,0637963	-0,7323251	571,932693
Iso1.Sin3A-K	14,6727068	-0,7269762	32,0830806	-0,6780142	22,4455388	900,177479
Iso1.Stat92E	1,5640122	98,9692829	179,313082	140,005505	85,747764	215,438517
Iso1.SuH-0-8	18,2127981	206,191299	60,5175354	121,096159	-1,008231	359,197302
Iso1.SuH-16	12,7394032	40,7539272	422,93979	8,03099279	26,8400842	51,7264504
Iso1.SuH-8-1	-0,2235896	-0,6589964	1282,3192	990,852137	-0,5180136	1467,40239
Iso1.SuHw-1	-3,8778851	-4,6242245	-3,6733963	-5,5890177	-4,1703699	-5,9105055
Iso1.SuHw-V	-6,8100372	-8,6642902	-12,77418	-10,5364983	-7,6470624	-11,64109
Iso1.TCF-0-8	-1,562526	-1,61300523	83,747248	28,7493245	1,68917068	108,641047
Iso1.TCF-16	2,18392463	9,24732861	389,604553	9,67251326	31,0299924	114,334078
Iso1.TCF-W3	23,810042	56,078105	272,145545	8,24374017	13,1541054	41,1670925
Iso1.TCF-WF	2,68938608	5,69566376	90,7395223	4,10917985	4,39776541	27,0689408
Iso1.Tr1-8-16	-3,19020592	-3,8622599	18,5360068	-2,7254011	-3,4426357	1,99587136
Iso1.Ttk-Kc_1	-3,1726081	-3,2365762	-4,1635235	-4,8800675	-3,49670416	-4,3892049
Iso1.Usp-W3	18,1770677	22,1317746	219,505864	15,3413923	35,1499924	44,1968617
Iso1.Yki-8-16	3,91580368	2,89318971	172,918089	17,4083429	4,95118133	61,6895368
Iso1.br-core-1	3,97340922	41,7799379	140,271933	47,3044722	31,113091	178,778816
Iso1.modMD	-1,1503727	-0,6063894	563,69349	-1,2137624	58,9829237	-1,1214827
Iso1.psq-Kc	-0,8814954	1,25836069	280,31337	7,47802071	-0,8865465	301,798016
Iso1.psq-WP	0,54663306	1,29422938	149,207214	18,0084809	2,30638742	66,8626592
Iso1.sc-0-12	215,782794	871,352227	294,353858	-0,6383886	-0,2452255	1307,07688
Iso1.sc-0-8	-0,7108203	-0,409446	745,756873	2494,47277	-0,3524139	1162,58688
Kc167.2568	-3,9866514	-5,408976	17,0194782	-4,9889215	-3,9934939	0,95872938
Kc167.908_C	-4,0281934	-5,0257996	-0,4050044	-4,376924	-3,5452704	-3,2320438

Kc167.H-Kc_	31,381425	59,3301769	723,375902	115,487444	116,186775	60,0116063
Kc167.Myc-K	2235,55629	452,146713	-0,998903	125,603393	-0,229747	269,533511
Kc167.SuH-k	3,3128299	1,46958839	191,027139	4,59912407	5,61566774	33,462247
Kc167.insv-K	24,8214058	41,7504093	335,589774	31,6850854	30,483512	5,16513944
Lolal-GFP.Lc	24,7754236	-1,04201816	637,950892	81,9265623	133,202542	235,796501
LolaJ-GFP.Lc	13,6272827	110,822434	28,1849273	-2,8231036	10,106393	12,0974129
LolaJ-GFP.Lc	-3,1973498	-2,904411	191,216698	-4,4671039	14,4926097	39,6658352
Notch-GFP.M	2,28879102	18,4153078	77,1455122	5,0985451	4,88572921	20,733969
R13-YFP.34C	-0,3432363	12,3627273	-1,539309	1501,5954	-0,8703883	1651,71175
S2-DRSC.26	-2,0266117	-2,8595871	19,8611859	15,6533673	-0,857772	7,78132945
S2-DRSC.26	-1,6659024	-2,5464516	17,5936038	14,4887433	-0,3693267	7,50900761
S2.913_CTC	-2,9381015	-4,1495447	4,44244466	-3,4792411	-2,483498	-0,9857191
S2.CG8478-9	5,13476536	1,8094263	226,287227	15,9126521	15,1145729	65,5686929
SENS-GFP.9	-4,9536152	-6,9728573	-7,1117941	-6,8670473	-6,0198369	-4,2472175
Stat92E-GFF	-2,6739129	-1,3893621	117,003302	409,103229	42,2266433	522,020255
Stat92E-GFF	1674,45334	1585,90014	1227,23469	114,376364	180,015562	172,575645
USP-GFP.US	1,13942537	0,67601894	154,124514	14,4824035	4,59452996	51,3402571
USP-GFP.US	53,8581496	89,5895522	977,971018	47,8434124	63,6978977	106,858335
Y-cn-bw-sp.2	0,00375494	-0,6866939	210,624767	8,45535886	0,01449119	34,8060337
Y-cn-bw-sp.2	3,86691121	3,86004201	258,813408	9,24142727	2,64667748	29,4096287
Y-cn-bw-sp.2	3,51238791	16,4063297	2,22152914	3,30983925	-1,20710607	9,17412391
Y-cn-bw-sp.2	-5,9973339	-8,2687399	-12,322372	-8,8184228	-6,8439483	-10,544161
Y-cn-bw-sp.2	-6,4723902	-8,520759	-12,527706	-10,096852	-7,7022641	-10,8695797
Y-cn-bw-sp.2	-2,4488054	-4,0037267	68,9335147	2,60838699	-2,25895666	26,5557767
strain.3232_9	-1,2397526	-2,2011716	18,2470283	1,10228895	-0,9189144	19,5405656
strain.3234_t	3,91617953	5,00930903	120,820772	40,4879672	1,54542571	53,823303
strain.3237_f	3,77969011	22,6446211	-3,217598	10,4485585	-2,2135013	17,9406628
strain.3238_t	-3,0644463	-4,46271542	21,4053556	-3,5771363	-2,8137609	-0,06946926
strain.3239_e	79,9917647	124,028914	1224,25102	228,095004	-0,6041713	388,598185
strain.3240_c	3,21833402	7,7125589	34,1597242	6,9042138	6,37169305	13,2624833
strain.3242_f	-0,4964566	-0,6595314	473,197225	130,527373	51,3569916	307,893761
strain.3243_f	4,70500345	1,49599694	154,546204	9,76314677	8,52591551	14,140131
strain.3390_f	14,8395824	136,612244	-1,1511126	0,38922298	-1,0616362	1,08463759
strain.3391_f	-23,949286	-24,657189	-26,413261	-25,790985	-26,443161	-29,39253
strain.3392_f	-21,7793741	-23,02324	-25,110606	-29,697002	-28,798126	-30,48543
strain.3393_t	3,14101754	6,69871146	90,9144432	1,04151024	10,5339837	9,27627054
strain.3394_f	-0,8702424	-0,8130554	65,3044404	2,96170013	8,10830064	16,4058902
strain.3395_f	-0,8190748	4,97954791	18,6875272	457,677968	8,85717854	582,595393
strain.3396_s	-0,5771848	0,16007231	26,433637	14,5707491	-0,1631511	34,1971256
strain.3399_t	-0,7792339	-1,5964513	24,2874358	-1,3842362	-0,3626374	10,2933161

AbdB-GFP.ABDTNP.Iso1	BDTNP.Iso1	BDTNP.Iso1	BDTNP.Iso1	BDTNP.Iso1	BDTNP.Iso1	BDTNP.Iso1
-0,5678193	13,9855893	-5,5885114	-1,6186408	-5,94505372	-8,9653944	-0,3519474
0,94619443	29,1312346	-7,1160568	-2,1106193	-7,65837993	-11,486862	1,46069294
21,648901	-0,268507	-4,0497409	1,20359814	-8,5161989	-13,96711	0,45013765
45,9406175	134,541589	1,49118948	71,3508501	-2,3926841	-11,48554	165,947095
11,1445434	-0,9636892	-6,2515722	-1,7446282	-6,7377244	-10,648839	0,29108927
17,5829789	279,660621	16,0917701	145,088715	6,22564867	-9,1514638	361,856045
NA	1,27722668	-4,5004949	-1,5269971	-5,59255036	-8,3191022	-0,9238736
1,27722668	NA	-4,1854045	229,426048	2020,47887	3296,13039	241,836018
-4,5004949	-4,1854045	NA	8,83207845	197,022892	480,978384	-1,7653016
-1,5269971	229,426048	8,83207845	NA	2,38277901	-8,9992829	97,8687638
-5,59255036	2020,47887	197,022892	2,38277901	NA	43,6533803	1554,79981
-8,3191022	3296,13039	480,978384	-8,9992829	43,6533803	NA	2202,00845
-0,9238736	241,836018	-1,7653016	97,8687638	1554,79981	2202,00845	NA
-2,367743	614,3878	55,9021678	52,6490274	449,675172	893,447014	7,16208889
-0,5997351	41,777961	-3,0259947	848,789745	2791,26099	4561,55321	187,66593
-2,7924015	-0,148218	400,603807	33,5040736	498,112792	710,090394	12,5437852
-0,3365883	62,3858908	2388,48703	483,885162	2409,13169	3455,62395	133,047394
-1,8644309	3,57908653	756,518238	58,0771257	744,446354	1288,98735	28,597054
-2,9348611	0,79455519	294,163933	32,4047017	314,900233	637,237935	7,60986864
-1,1417632	13,6805918	1656,25421	314,098084	1553,59888	2599,19273	77,6663806
-6,115827	-6,142235	92,3416146	-2,8653728	124,534285	237,343633	-5,6991221
-0,8596135	-1,6386954	438,318781	11,7459126	236,302412	1155,15341	-0,7304208
42,7134885	-10,21479	759,449462	7,28840726	403,337248	4244,50678	12,3446465
10,6355631	-0,93640934	291,714053	3,40942268	378,33352	1771,75524	-1,3385479
2,71712976	-1,9871352	227,138833	0,62599868	313,800544	1122,41781	-1,6882264
158,523504	2,3890727	1255,24903	10,7626707	769,501504	8042,7534	32,7127038
4,05478959	4,8030068	2083,29887	66,3710261	2136,82422	4193,8044	8,54401528
-0,8840331	-1,9087592	640,464945	3,5519703	311,380834	1413,84346	-2,0990021
-1,73231589	-1,9507132	148,246601	-0,536033	161,662651	660,298059	-2,6214366
0,07344013	2,37782458	1567,93482	91,9358097	1907,29165	3443,86868	14,8983772
-1,2428564	0,37087045	623,291841	18,6475408	883,998079	1368,31958	4,3713805
-1,0273174	-1,2563142	315,536164	4,62511696	410,918051	961,530218	-1,5796971
-0,6831321	-1,63497	252,342525	3,02827454	172,545985	914,172592	-1,4440274
-0,14592484	-1,1939745	396,093047	19,426396	592,176311	1170,71681	0,9831353
-1,28285	-1,8353711	156,464314	1,13330614	255,237556	733,243686	-1,931313
-1,2206806	-1,6789173	416,588889	5,20501459	357,539878	1299,92814	-0,7102642
-0,8355923	-1,0103979	334,476353	14,0424047	351,837976	1119,88375	-0,9528768
-1,2540444	2,59728856	460,11883	44,2688863	626,791985	1678,38673	19,7874619
-1,5367446	2,30264015	588,055316	31,012058	983,326553	1263,4377	9,06381533
-1,2685011	-1,4076173	512,281999	28,7637459	810,843699	1299,52111	3,71389831
-1,3000013	5,42691089	1012,04366	95,831691	1290,40569	1932,71231	31,8220571
-1,4454602	0,85644857	683,092126	24,781909	999,301453	1392,21852	9,06369564
-1,4104937	-0,3305982	554,1651	15,4382468	823,903427	1345,35843	2,51403588

-0,4647921	1,36868028	602,055978	7,69461472	852,627381	2579,04107	4,41546239
218,327367	-2,831297	1890,00743	6,31939594	668,024455	7894,26281	22,21152
209,415697	0,84947163	1022,94469	11,1250153	883,7914	5307,35175	-0,4167447
-0,8187595	-3,2669577	87,8892563	-3,5533729	64,7283522	391,587829	-3,34651765
-2,7579548	-3,381881	279,589003	-1,6021797	215,860858	802,343213	-3,16217613
-3,7299142	-4,1604032	239,971356	-4,0661328	104,081657	595,299146	-4,8549214
-3,65311973	-4,1262058	220,415566	-4,08743139	93,6312564	614,462713	-5,0177513
-7,3606505	-7,6629115	-3,4531641	-10,116483	-12,262	26,6006304	-7,9860844
-7,38255018	-7,4112733	-6,3797187	-10,894749	-14,90313	19,9364549	-8,462181
-3,2510252	-3,9634396	135,24554	-3,1953751	88,970644	435,011608	-3,9651595
-2,7549423	-2,7734511	343,44362	4,39968107	281,037426	921,075604	-1,83937591
-2,931426	-3,2437978	306,586383	-2,5365809	98,9615936	885,582838	-3,7587821
-2,3869657	-2,483248	492,175045	-0,47065095	131,285182	1382,60237	-2,4363053
-1,1990582	-1,3703478	454,414108	4,58992363	271,271161	1519,42772	-1,2271288
-1,9623936	-2,9091045	18,5581511	-3,4401426	55,6331782	204,738145	-2,5522855
-2,51252051	1,47367229	109,285774	14,7361383	174,865394	427,504293	5,3389158
-0,7809837	1,57289558	1090,5929	55,7306254	874,641677	2436,27572	23,1536745
-1,3669519	0,68592563	1227,58835	48,31474	1331,02108	2771,31317	20,5097103
-1,3038046	-2,5379201	266,576976	5,03979557	294,376001	992,390638	-0,5792784
-1,4315404	-2,2759603	420,344187	9,62066592	393,027647	1370,07459	-0,4309182
-1,28326016	-1,9388618	480,421217	9,66498615	317,227974	1439,01181	0,02548741
-1,4740168	-0,8368961	340,464501	5,75451718	234,209045	1098,54463	-0,9439647
4,38994718	0,7294045	2372,73007	24,8833818	1279,94225	7451,12987	6,18450124
32,4038455	-0,9879956	467,351755	5,42408406	348,048803	2215,43694	0,39833097
-0,7386567	12,1578448	1541,2951	196,005456	1434,10777	2810,11616	96,4431335
-3,596599	-4,197868	-3,8422354	-6,2708783	2,21418837	85,2703398	-4,9741732
-1,4524495	-1,5165121	518,258396	28,999388	749,052431	1345,09811	7,32632841
9,76671732	-4,9730283	1084,36344	5,25958152	510,307414	3876,75043	-3,7637287
1,45547842	-0,5575386	950,264309	8,67261845	628,662994	3481,39465	0,96386437
0,29037929	-0,4507245	1919,12156	27,2667182	550,009648	8357,17506	5,74012584
0,46802177	-1,7959059	533,226471	10,3070076	307,479405	1658,5236	-2,2841028
-1,8364197	-0,314741	4168,82231	230,355622	2584,70493	15467,7313	-2,2697133
-4,36431707	-4,2732687	15,2218766	-6,2370668	21,3273303	111,353378	-5,5699503
-6,25856	-6,0156753	-11,159317	-8,59813344	-3,9411741	14,8802173	-6,5972385
-1,0679214	-0,6964951	611,456466	3,77651492	377,871512	2424,67454	-0,9982358
-0,7395934	-0,91759606	455,030472	34,4489677	518,128558	992,572793	10,9573105
-0,5766956	-0,7963369	2071,40843	2,7699614	562,216219	5986,92019	-0,6113884
-1,4943493	-1,515064	1145,89821	5,1039719	252,144476	2898,15032	0,86118389
1,72281142	-0,8139917	856,980072	5,2615064	211,666134	2905,43584	-1,3598598
4,06196379	9,23250152	5338,80101	243,480672	5614,79837	9851,97194	178,716715
-1,6689694	-2,2437942	414,551073	-0,5428327	184,885345	1297,49568	-2,1082177
-2,4774881	-1,3713035	231,255151	11,4136066	345,469358	525,305382	2,13887871
-2,641955	-0,1875845	13829,7824	-1,35385854	4644,77079	40435,8331	-0,1753175
-0,76217535	0,27646292	433,952933	6,19425481	225,937108	1093,36779	1,91009468

-1,3048748	-1,9721373	165,216162	0,15017849	125,467568	846,46951	-0,1838015
-2,4824932	-3,1248302	61,9248675	-4,1584756	33,3289225	316,75841	-3,1771334
-2,5262099	-3,1665033	46,1336282	-3,7330342	35,4952342	264,760881	-2,8450191
-1,7510744	-1,1217515	483,473239	49,3244337	610,078034	1060,75473	11,5242007
-4,4847094	-5,10151848	-10,84811	-7,8631535	-6,5957096	50,6298868	-5,4903941
11,3943503	-0,525719	8513,91626	540,310018	8360,0808	18464,1838	-0,6857366
20,7115949	-1,32459857	623,411344	2,39107184	666,514091	2739,13013	-0,31042
1,79845185	-0,8570355	645,330908	-0,1401286	493,827446	2156,02614	0,11435325
3,55285858	-1,0147558	662,60448	-1,9730342	497,748403	2591,14269	-0,7143658
-2,0591748	-2,746294	99,190333	-2,4600276	89,5896886	453,530959	-2,8309643
-0,42407692	-0,21261925	2803,7297	-1,2177401	981,143799	6618,05507	2,09543198
3,94149306	-1,2931469	196,373049	3,35717567	330,427809	1104,92162	-1,9562809
7,38716313	47,4174979	1566,97979	63,0888492	1815,67157	5182,81308	8,31965837
2,54570523	-1,9370023	208,089679	0,05628934	250,250836	889,190513	-2,2457338
1,94463415	13,235016	462,862206	19,8907879	554,701461	1582,49163	7,37708383
-12,297805	-11,2891709	-18,587336	-16,298497	-19,080954	-11,634373	-14,456813
-2,2134275	0,41157321	473,355926	26,6675385	691,959503	805,172513	10,3748617
-1,4975771	-2,1284482	132,924501	0,17407005	216,951239	398,06519	-0,8583845
4,36695631	-2,7755459	260,917148	-2,4077057	121,289522	944,118904	-2,04862823
129,868487	-0,82171414	1822,81811	52,3922415	1452,16133	9521,15973	-0,6446066
9,39236809	-0,1981131	3949,90203	432,749241	2059,39746	22059,9058	78,6887856
15,6764534	-0,9023208	11161,89	-1,2176918	2898,5146	20548,7637	-1,1002011
17,8110558	11,504556	3129,65482	124,044766	3060,03905	8703,68462	59,3366435
33,848691	10,8105474	3888,22844	396,968221	4661,36061	8303,09744	2,1616503
36,7813585	-0,4004337	1753,25519	32,3904832	2026,56269	10944,1915	-1,2342594
-0,17954495	-0,1711592	4263,67722	2095,63504	6304,1685	29737,4804	-1,9294395
-2,1900077	-3,846946	0,82985513	-5,1583846	5,07012899	103,446686	-4,3011121
-5,9821845	-6,0418911	-18,473812	-9,4257421	-13,000636	6,08296475	-6,965555
-0,89839	-0,4995366	449,280835	28,3200623	748,47699	1548,18867	5,11251183
1,33063688	-0,761467	480,720348	1,60748386	502,895468	3448,75874	-1,4073099
-0,5993286	-0,9207065	646,266965	9,76984465	590,023862	3223,66051	3,00728805
0,66843016	-1,6657369	247,558462	4,64056933	224,760167	1239,93024	-1,1363288
-2,51653963	-3,6635391	124,609794	-2,7921054	119,123016	595,583271	-4,5830036
-2,8542171	-2,284785	135,863478	-1,8533659	74,9254549	552,337764	-3,1265492
6,30442277	-1,4831193	317,568121	4,89448465	359,002053	1885,65366	-1,1711431
5,66281899	0,62826853	1159,25884	24,4352483	1097,34563	4806,91681	-0,6485477
13,1945635	-0,502778	2697,54613	2,88105955	2204,78292	7469,5599	-0,7911121
423,215806	-0,3241899	340,851961	-0,6500973	118,51216	5555,08504	-0,4955461
21,4337313	-0,8812219	2778,38748	13,9150174	1497,61905	9935,52889	-1,2439079
3,04704131	-1,8409138	1005,40932	7,00116703	625,97779	2932,68264	-0,5420418
3503,50159	303,291801	21345,6196	178,255012	19042,7866	38592,235	-0,73151176
-0,0722164	2,93907307	18599,9768	1854,23531	9490,80756	31276,7716	-0,528098
-2,8792404	-4,1920091	88,0512605	-5,0842397	64,4061895	423,343971	-4,7986406
-2,88450851	-3,9035521	21,667713	-5,4661996	17,9512483	185,098694	-3,85697984

116,003842	-1,24674948	1565,50148	-1,2175903	1281,81587	9793,56424	-0,788163
-5,306333	33,0142602	935,35166	-0,5287124	1701,81404	6946,01056	37,9327966
15,3439973	-0,45426155	495,89052	0,6604002	482,344589	3387,36744	-0,9977416
62,5029361	-0,545742	1967,99011	-1,4909015	1025,59412	13529,8465	-0,614156
1317,49601	-1,8507372	3499,77475	-1,422581	2091,01271	18160,5338	-1,8663028
-0,4926737	-2,0784417	93,2230506	12,4354577	177,957966	1184,69212	-2,2031051
150,329238	-2,8161156	962,831921	-1,2350018	385,182188	3963,33564	-4,9499848
38,5897047	-1,0715053	429,941794	1,51023607	362,50376	2088,98412	-1,4570679
-0,9873971	89,2479236	6928,13312	1554,24777	7331,15472	10886,4318	824,493826
0,5260363	-1,7014445	226,570694	-0,8546782	125,067688	1259,70457	-0,7213555
0,36435308	-1,88122353	167,323974	-0,6591128	197,996562	1119,55376	0,07038613
-2,3645094	-2,71577791	56,1202113	-3,2187965	30,4690842	318,673004	-3,176575
56,8860369	-1,1840371	757,912946	10,3676361	811,260816	3597,09888	0,12942002
-4,56950135	-4,6345869	77,3221618	-3,1094961	88,8521305	253,705143	-4,6316374
765,553181	-1,1949122	3839,72568	914,022292	5108,47251	11869,6116	45,2623552
2363,34118	-0,4668527	2107,60004	-0,2117443	1380,75668	11843,6536	-0,223977
0,67830908	-1,532914	306,337605	7,85867131	406,514613	1665,58915	-0,6651635
39,6151	-0,6415298	1096,22799	4,80182853	1247,65475	6885,35632	-0,84008208
-0,4090928	-1,7887031	448,244671	6,41736121	551,835743	1419,71782	-0,5612585
-0,1434401	-1,7213151	405,328449	3,43826736	359,901641	1811,27883	-0,5999294
-1,1828549	2,26772169	492,509935	10,1778273	441,578876	2107,14286	1,73164013
-5,4097869	-5,2325494	8,19904598	-7,62823676	-4,7124281	64,0068511	-6,3513201
-6,01294168	-5,58850915	1,91171203	-8,9324393	-8,74911171	41,4985713	-6,7401203
-2,5057441	-3,6923304	347,234798	0,06343935	222,081268	964,504496	-2,6204004
-0,9491868	-1,7952492	962,857173	1,22953032	239,071364	2203,22307	-1,2454674
3,84821595	0,71516959	936,350322	18,2960855	871,086562	3185,05771	4,95936968
-1,3075257	-0,1572492	202,385481	9,43316154	310,038906	581,310245	6,11819705
-2,5097005	-3,5391877	116,564626	-4,07949254	108,236736	647,175608	-4,5227297
5,208312	9,15074374	3418,67054	79,2938675	4051,04351	7977,4314	82,5217348
28,0073253	1,71117634	916,425003	23,5744307	993,540234	4042,31043	5,65221621
25,4901695	-0,9647468	2112,07207	-1,0037853	2743,26028	7750,08699	-0,6511133
3,50496855	-1,54555994	239,178957	-0,47650477	126,334403	1719,34688	0,71818823
-1,1100991	-0,8022004	91,3466728	1,37461076	91,1049756	676,075699	0,38710262
-19,763989	-24,753275	-26,7213213	-23,987196	-30,465664	-18,195046	-26,102442
-24,656811	-29,594183	-28,742448	-28,017422	-30,816633	-9,0944617	-22,845176
15,2608147	-0,383154	341,455618	0,35628935	173,819971	2822,59834	-0,5380302
12,2158719	-1,0392061	336,635836	2,12602706	195,98872	2617,81883	5,20769435
1,8683647	23,657796	4162,46606	345,032427	5440,24518	5969,23872	202,204078
-1,209029	1,50456539	587,949155	18,4745946	430,214913	1603,94594	2,48850318
-0,1190083	-2,42032515	375,33061	1,41549435	168,984347	1156,45223	-1,036349

BDTNP.Iso1	BDTNP.Iso1	BDTNP.Iso1	BDTNP.Iso1	BDTNP.Iso1	BDTNP.Iso1	BDTNP.Iso1
-2,8388393	-1,188456	-3,1418345	-1,4995195	-1,8240513	-3,57599899	-1,3441992
-3,7117555	-1,196052	-4,0784519	3,95146802	-0,8114195	-3,2652147	-0,602347
8,09376313	1,43756228	-2,0751672	8,0296381	10,3075942	-4,2535488	3,67235402
27,6895236	452,067071	19,3352451	317,665256	35,1432885	13,4580757	254,691854
-3,5131769	-0,2321107	-3,1169835	-0,0858803	-1,5786291	-4,0121879	0,25066634
62,4746919	1164,85731	52,2246689	524,319688	91,8546975	32,1332203	486,685302
-2,367743	-0,5997351	-2,7924015	-0,3365883	-1,8644309	-2,9348611	-1,1417632
614,3878	41,777961	-0,148218	62,3858908	3,57908653	0,79455519	13,6805918
55,9021678	-3,0259947	400,603807	2388,48703	756,518238	294,163933	1656,25421
52,6490274	848,789745	33,5040736	483,885162	58,0771257	32,4047017	314,098084
449,675172	2791,26099	498,112792	2409,13169	744,446354	314,900233	1553,59888
893,447014	4561,55321	710,090394	3455,62395	1288,98735	637,237935	2599,19273
7,16208889	187,66593	12,5437852	133,047394	28,597054	7,60986864	77,6663806
NA	2104,55257	127,399736	1069,80228	208,360217	90,8249097	714,465394
2104,55257	NA	4,4042498	140,875849	12,1191445	2,99338212	97,3834161
127,399736	4,4042498	NA	1020,55795	247,573408	75,8296809	615,624698
1069,80228	140,875849	1020,55795	NA	18,803611	7,6235693	144,095952
208,360217	12,1191445	247,573408	18,803611	NA	17,9976308	171,872806
90,8249097	2,99338212	75,8296809	7,6235693	17,9976308	NA	548,57452
714,465394	97,3834161	615,624698	144,095952	171,872806	548,57452	NA
13,3042536	-6,13229192	11,126591	-5,6145311	-3,3572591	16,1625416	-4,8081848
109,207968	-0,5862412	64,5306694	0,15301561	14,9514268	51,447714	1,24852281
61,7855491	-2,0588752	24,1089838	-2,3581827	-1,8097445	99,9518047	0,34467334
54,9651918	-1,0738915	40,141169	-0,6368878	15,1867555	54,6628055	1,1168814
40,6351933	-1,5692843	29,6426531	-1,439573	7,28831582	21,435301	-0,6656011
221,435811	-1,9995179	94,1257072	0,74238138	-0,1607199	68,1449662	-2,0382152
633,34341	5,36196555	353,727844	53,506954	92,3334706	421,499779	39,899144
66,8090092	-2,2695535	36,0463709	-1,8183102	10,5684205	48,4258142	-1,32814521
28,9171428	-2,2692238	17,020951	-1,9648743	1,96910902	14,4676119	-1,6189875
505,562599	5,89810835	339,936211	37,5869676	97,8699088	286,601552	51,0931022
166,106992	-0,0882647	177,662471	5,84481127	52,0918199	114,592338	6,69021321
68,0995978	-1,70985	53,8619687	-0,3081523	14,6415126	37,7427333	0,8988114
54,9742403	-1,3436048	25,9092828	-0,9558674	7,7204758	18,2895925	0,22214812
91,0372017	1,02847789	107,998179	2,41710705	33,8063384	78,7703363	12,1668184
30,6798864	-1,9911515	18,82065	-1,2777673	21,8077925	14,1691977	0,06117964
85,9614559	-1,05217	70,438981	0,96230225	75,9993938	56,4284389	10,3977711
75,6964918	-1,0817681	57,4971401	0,59990568	43,1733745	37,6549425	7,23102124
219,967449	3,70441895	349,325885	13,3016021	128,671925	236,171684	17,0962635
172,87208	0,77428229	209,591563	10,4391949	64,0777616	148,352017	12,9073114
164,309513	1,01500122	158,455522	7,88991596	43,9981297	131,314491	11,686664
365,379748	23,94226	388,183127	36,2787287	105,867259	403,343238	50,7871182
155,971309	0,23611043	218,691912	6,94925551	60,5222533	156,639279	6,75551648
127,345458	-0,6228817	126,601387	2,80853326	44,0477886	122,544176	3,87676927

71,1043549	-1,1543664	60,0533849	-0,6527141	25,6012043	136,412206	1,71014344
151,721702	-0,6926484	87,8342524	-1,3591318	49,4562559	212,730237	6,22518573
289,929423	-1,8621688	132,282404	2,84259297	15,9682732	155,204356	4,21324541
8,51162453	-3,7112041	4,31013107	-3,4066976	-2,3393238	5,85542689	-3,3036852
29,5437136	-3,6410547	24,4745183	-3,2214097	5,7758466	26,0494669	-2,34815608
18,3631436	-4,4627208	5,70523953	-4,3878168	0,24744825	14,3380664	-4,8102184
16,3018798	-4,9282553	4,53479262	-4,3161568	-0,1082834	14,1870421	-4,9195805
-14,711847	-7,5985039	-13,427165	-8,1612629	-11,412721	-12,99379	-8,3722093
-15,872166	-7,8383643	-15,228779	-8,8637196	-12,226867	-14,126288	-8,7513904
8,8882676	-4,2371446	8,75890777	-3,6481883	1,45213755	12,3860805	-3,5313116
50,3341423	-2,7357172	47,6821555	-1,95772714	8,92817994	36,9978081	-0,361029
12,8064161	-3,5170929	4,16662888	-3,7393054	5,19371992	19,5176273	-3,5350649
23,5098392	-2,85451572	10,4478506	-2,6285186	13,0753195	26,0900445	-3,1604004
40,5281296	-1,9806943	17,1876737	-0,2482402	11,1891121	40,553548	-1,3365904
2,34898769	-2,6085484	4,8312885	-2,7751434	-3,18667873	10,0030208	-2,9091427
44,5860968	7,64165443	33,6221292	5,57256082	6,91040406	160,911114	10,4849387
272,159218	6,97006445	325,54865	35,8057663	99,8245518	253,003523	24,1581395
311,921965	9,1869857	301,508969	22,147196	96,8169304	146,612578	24,4811477
50,2804092	-1,7774165	46,99981	-0,4766979	11,9492705	54,9026424	-0,7507519
75,0168299	0,10983384	55,1405414	1,41602147	19,5253135	77,9579615	4,41051973
31,4540847	-1,9005469	40,8568054	-1,4237916	12,5455979	72,8506978	-0,9018548
20,4093433	-0,8435724	30,4977214	-1,3424385	6,11418771	86,4487557	-1,6568926
275,118037	-1,4927669	162,180486	-0,9942608	44,4000882	221,724156	6,75585215
68,4883198	-1,2669693	36,3836168	-0,9945433	6,54143581	69,9365429	0,26978354
535,511749	64,384792	752,073297	102,618075	177,9744	671,486471	109,153626
-6,370172	-4,4692658	-8,42559	-5,1694181	-7,7549521	-8,47051	-5,5296072
132,979362	3,86633973	160,162101	4,99038262	74,0373396	96,8607698	15,4846666
129,405197	-2,4383055	66,7892356	-2,0996551	18,7271419	82,1445106	-2,5543113
110,110417	0,61328561	73,9301681	0,46469554	22,3311335	62,1711291	5,27464196
384,70298	-1,7010458	218,580938	-1,2555698	69,9966766	183,853715	12,0283987
118,02197	-1,3110275	33,7568092	-1,7629712	19,0134693	45,1853099	-0,2717829
1049,07627	-0,5214373	1116,59753	-0,5724996	-0,6766981	-1,3784711	68,6737675
-6,7108823	-5,2496694	-5,4537054	-5,02529445	-7,0338911	-4,0852436	-5,3593142
-12,819754	-6,5507159	-12,124561	-7,3845888	-10,015634	3,04783627	-7,188597
58,0728868	-0,9753396	29,2371548	0,73899147	19,4283648	45,4906847	0,44184447
51,4197741	2,44100517	122,067919	8,53590927	34,9725033	125,016638	9,6833369
60,0397115	-0,9854882	5,06580748	-0,3942163	66,8080484	60,5698361	-0,91696418
97,2863258	-0,968012	41,0338974	0,45729591	35,7013667	71,2509704	0,16747377
39,1608905	-0,1845468	8,81371923	-0,9453206	21,9396272	34,6978867	-1,0368629
1667,11657	146,587094	1388,90235	201,981935	240,771699	1139,59202	433,214235
62,5286261	-2,492162	3,38591135	-2,37030079	10,7724135	17,7236211	-2,1487183
75,2198601	0,04880379	92,2480615	3,28571182	37,2284773	54,16608	7,52366568
425,558413	-2,641955	342,544794	-2,641955	4914,92212	-0,5288542	-0,5716847
66,8598007	-1,65756265	63,1151871	1,74946293	16,4776586	86,533471	4,0517225

21,5675488	-1,34288977	16,2560019	-0,9728108	4,56607739	15,4347226	-0,6285972
2,95705588	-3,4986927	-0,5430119	-3,8395066	-3,6781062	1,05164432	-3,0449059
1,69381196	-3,2452062	-0,0919853	-3,1065324	-3,5956004	2,49212375	-3,25905071
212,849139	12,2324109	165,762687	15,2739073	60,5614436	124,643843	32,3024074
-10,481626	-5,1410371	-10,264558	-5,5111558	-8,6273672	-12,117599	-5,61807858
2297,46924	-0,3040865	2992,03334	41,8607842	100,403729	134,404513	48,8831325
161,687973	-1,3777526	58,8188159	-1,3804784	4,91998756	78,934402	-0,3299262
56,5354883	-0,9133804	56,1954824	-0,8544906	18,4601728	121,528677	-0,1962118
79,355359	-1,0050403	82,9590688	-0,6367914	19,9262484	198,860204	-1,6057566
12,3154225	-2,4644196	7,60483246	-2,7430088	-0,2324037	11,0634368	-2,63265519
156,84723	-0,1877415	146,892427	-0,95436037	82,2176817	393,595771	-0,6484174
39,0728545	-1,6944607	49,1130623	-0,3005561	3,91557166	61,8509357	-0,8915053
391,500821	1,72238387	208,211924	8,81825637	41,7326729	383,76444	6,8015173
38,2675126	-1,7821491	28,0224376	-1,083117	3,54822577	26,7945347	-1,0466674
66,2349034	1,66691931	84,4051518	3,27897714	17,033366	254,457573	5,71815863
-16,39596	-14,924091	-18,051237	-10,932523	-15,182075	-14,336212	-12,352256
121,999919	3,40928888	198,179766	9,84755593	63,3350504	130,172299	13,6417491
31,2558468	-2,0779784	62,5307659	-1,2703697	11,6430594	27,4741332	-0,30729375
18,7883499	-2,9795248	7,04286856	-2,6418867	2,78323198	10,8770788	-2,38602813
66,9315606	-0,3986219	236,392113	-0,6524319	24,9887268	50,8037754	-0,8469466
131,995912	-2,869923	161,801561	-0,4196297	176,934322	795,640479	46,1969761
808,040892	-0,39578152	156,702654	-1,2129999	230,079743	242,015911	-1,6449502
630,113511	-0,4103503	427,23115	52,8052935	76,7668399	732,483027	65,4959385
773,92816	166,215303	1118,51158	203,944924	233,599876	2153,23857	198,202586
185,345959	-0,3490167	302,05091	2,28213077	75,4426185	528,085082	-0,4006934
2229,96399	1542,57574	1054,56906	1015,5447	270,167775	2725,77125	1083,51371
-5,0441392	-4,12122325	-7,3617234	-4,303709	-5,8345625	-5,8396906	-4,0674588
-12,975414	-6,1370367	-12,507251	-6,6074769	-9,6092993	-14,322076	-7,38839702
142,62035	1,29399728	177,141805	3,77964115	61,9532303	140,939467	12,9293706
93,3745435	-1,12459441	35,362885	-0,0836123	8,76121289	93,7152126	-1,22886244
65,348844	-0,7092385	46,7546116	-1,2872109	4,35467183	98,0559852	3,92078861
45,3970573	-1,4041736	38,5680165	-0,6952941	1,881272	33,6948271	0,93166954
21,3049707	-3,5539876	9,5617405	-3,8846513	-3,1228452	9,91405816	-4,04379692
8,17771244	-3,9372316	1,68604619	-3,3337464	-0,6399547	38,3063518	-3,6159052
78,683189	-1,2407375	41,065419	0,45798513	32,0301106	57,5539162	1,35449578
202,902559	-0,7651796	116,11861	7,11027487	24,2817726	143,832583	0,53010551
171,936787	-1,3759416	179,183216	-0,8680086	79,3848985	266,313576	-1,0479877
-1,516928	-0,28322362	-1,5035795	-0,8764225	-0,9891671	184,663708	-0,7828294
754,366181	-2,38500705	167,632851	-0,8298472	160,727181	217,814308	-0,8701468
323,728403	-1,0132889	61,2463579	1,22726946	39,1522008	31,445006	0,53073681
5390,25996	-0,9771046	1923,26076	-1,0295225	356,414631	3180,92308	432,949869
5653,39682	81,3878682	3167,94774	34,5937039	4224,96536	7068,00116	-0,5606947
10,847893	-4,5722388	0,87715076	-4,5377314	-4,4071342	-1,1169622	-4,7746972
-2,396289	-3,62821071	-3,66746744	-3,66123813	-5,08046961	-1,9611158	-3,7154306

325,091633	-1,3907431	217,911118	-1,6639369	20,3369772	292,921592	-0,7300754
113,864628	-0,3048676	-1,6239251	-1,2851446	69,4345444	106,750733	-0,5305655
95,3557176	-1,7756203	49,3603605	-0,2163807	12,1743694	47,8508809	-0,5771809
155,904782	-3,0639573	93,48037	-0,6972827	13,8358965	185,807422	-0,5374607
868,158007	-1,9473518	289,207189	-1,5458793	149,672421	690,443866	-1,246427
17,8782162	-1,44257219	7,1269763	-1,49064084	15,2412092	37,9444813	-1,4375827
142,91772	-6,0662043	38,4404532	-3,7571655	-3,0574988	46,794955	0,22429226
86,2069084	-2,6299451	31,1703663	-1,0516927	3,22782445	40,6347896	-2,14143067
2035,28074	238,126608	3756,59923	914,012223	1278,76564	3713,04591	952,635366
24,0132911	-1,6753279	12,6813159	-1,5215386	2,95332325	24,8215426	-1,3116272
28,4699741	-1,7186888	18,8239581	-1,29168255	2,05191425	33,3919968	-0,7869975
2,0165225	-3,0699805	0,53583287	-3,1060708	-3,2811343	2,50303949	-2,9959295
163,100724	-0,20698527	70,9731073	-1,0337366	17,9255721	59,0959864	0,28062337
7,64267382	-5,4352308	10,4112199	-4,4885713	-3,3634296	9,15005502	-4,6005696
1062,09997	164,510515	523,12265	1329,35762	425,277059	1699,14169	109,62174
374,500054	-1,3166453	295,999148	-0,5938878	-0,6583752	99,7583929	-1,1207393
88,9022603	-0,69330962	51,2073511	0,35358141	14,518474	85,3653887	6,00331046
358,528632	-2,1338418	116,148091	1,84005577	112,239794	99,8516838	-1,1297498
53,4973947	-1,42423023	81,8598769	0,20251084	19,1473991	78,0778406	3,0205332
46,95997	-1,4778765	74,1351239	-1,0014092	20,4667854	76,3334548	1,69473456
43,8792166	0,14969674	40,5886511	0,32350603	13,5474438	132,07869	2,31083812
-10,356509	-5,8884057	-10,681816	-6,6140253	-8,3377129	-3,9397183	-6,5423959
-13,118777	-6,6958297	-12,201639	-6,8334266	-9,9474959	-8,1369877	-6,6733815
71,0671624	-2,9305018	30,4838272	-2,3771338	9,85473717	24,9749748	-1,9094522
75,6270131	-2,3529068	18,8658677	-2,4072854	23,2072605	58,3482938	-2,29611075
157,411312	17,2096981	192,465543	6,50224058	42,1560882	161,23254	45,8006783
36,2898357	0,1957947	69,410423	0,72767765	13,0428243	121,766597	3,66126066
17,173538	-4,4239785	6,70003997	-4,3966758	-3,7815749	7,3601748	-4,6728164
701,265076	7,44416341	1071,27995	31,8328074	302,777489	696,437326	48,3266643
108,249072	-1,4427507	148,45789	-0,248609	19,5052193	247,532679	4,84169866
521,233811	-0,5306187	414,406617	104,230669	136,396833	773,438349	105,353323
25,9615864	-1,2637269	9,98730333	0,68635825	4,07712391	25,6082158	-0,9728913
13,7631265	-1,33431295	22,1208544	-1,4464736	5,95517296	58,443053	-0,5385256
-24,229598	-22,965559	-28,089945	-25,212852	-26,9063818	-28,619505	-23,528054
-27,400693	-22,978061	-29,965501	-24,149745	-27,0166939	-29,327428	-24,228574
102,405927	-1,53652154	68,0271531	1,45463966	8,70550216	26,0494916	0,88492695
25,9707218	-0,83407394	26,4436112	-0,7358101	3,71338232	2,91330718	-1,4893997
1588,63785	105,653165	2070,12335	324,166643	680,269532	929,529178	129,447798
72,9484983	-0,0764255	69,5754709	3,38710655	18,7503539	96,5202865	4,17666071
25,2943474	-1,561656	12,4388098	-1,9107388	8,49247297	38,7596321	-1,5146554

BDTNP.Iso1	BDTNP.Iso1	Dfd-GFP	DfdEcR-GFP.26	EcR-GFP.26	Eip74-GFP	ECmi-0-8	Lpt
-7,5249631	-1,0183985	7,34981096	4,16675249	0,9798546	-0,2507252	3,46146768	
-9,2916939	-1,5403145	9,60932575	8,29473629	2,3319326	11,1709958	12,3234089	
-10,747485	31,203698	84,586481	137,128038	65,2217994	299,809128	104,632265	
-6,7760302	8,36685695	32,4520456	15,2121043	5,23628693	46,1437568	50,7999707	
-8,2142645	-1,1611648	4,88097274	19,7986188	2,06639493	29,5245748	2,83673631	
-1,3027241	29,3175254	14,4984755	31,7153544	20,6185815	74,0645688	150,213869	
-6,115827	-0,8596135	42,7134885	10,6355631	2,71712976	158,523504	4,05478959	
-6,142235	-1,6386954	-10,21479	-0,93640934	-1,9871352	2,3890727	4,8030068	
92,3416146	438,318781	759,449462	291,714053	227,138833	1255,24903	2083,29887	
-2,8653728	11,7459126	7,28840726	3,40942268	0,62599868	10,7626707	66,3710261	
124,534285	236,302412	403,337248	378,33352	313,800544	769,501504	2136,82422	
237,343633	1155,15341	4244,50678	1771,75524	1122,41781	8042,7534	4193,8044	
-5,6991221	-0,7304208	12,3446465	-1,3385479	-1,6882264	32,7127038	8,54401528	
13,3042536	109,207968	61,7855491	54,9651918	40,6351933	221,435811	633,34341	
-6,13229192	-0,5862412	-2,0588752	-1,0738915	-1,5692843	-1,9995179	5,36196555	
11,126591	64,5306694	24,1089838	40,141169	29,6426531	94,1257072	353,727844	
-5,6145311	0,15301561	-2,3581827	-0,6368878	-1,439573	0,74238138	53,506954	
-3,3572591	14,9514268	-1,8097445	15,1867555	7,28831582	-0,1607199	92,3334706	
16,1625416	51,447714	99,9518047	54,6628055	21,435301	68,1449662	421,499779	
-4,8081848	1,24852281	0,34467334	1,1168814	-0,6656011	-2,0382152	39,899144	
NA	547,37008	680,264459	554,470696	328,16388	1326,25776	2585,61446	
547,37008	NA	26,6177748	63,6680733	39,8296846	132,036837	222,777455	
680,264459	26,6177748	NA	-0,4045834	-0,7494079	1746,64497	7,59299015	
554,470696	63,6680733	-0,4045834	NA	133,178997	24,3933111	17,6261993	
328,16388	39,8296846	-0,7494079	133,178997	NA	45,1243955	47,7074735	
1326,25776	132,036837	1746,64497	24,3933111	45,1243955	NA	2,4213782	
2585,61446	222,777455	7,59299015	17,6261993	47,7074735	2,4213782	NA	
593,10416	34,9689327	2,89372414	-0,9944433	1,04096393	-0,16207052	9,99650477	
328,198259	19,4950902	-1,6332604	0,31489241	4,40786826	-1,3713747	3,22882147	
2606,32914	108,490015	-0,4338738	2,48918935	14,0857716	-0,3261538	75,5732482	
1214,72934	37,4177514	-1,4677685	-0,49683574	4,56861255	-1,5597303	25,3038585	
664,716678	33,4918506	-1,0113136	0,54598915	7,76048336	-1,2446954	12,7656732	
531,35619	35,3761718	-1,4242728	3,95546509	14,359885	-0,8752044	10,8857866	
1032,55531	39,2566854	-1,58479245	3,99050501	16,5373849	-0,7099636	16,4269028	
493,528319	18,542644	-1,1248896	2,51161661	7,85526695	-1,3261375	3,73397357	
945,546624	34,4201208	-0,7639408	2,16121715	9,55718206	-1,4042016	14,6623413	
912,103959	30,6352588	-0,3576338	3,27080738	11,9993375	-0,9139353	15,1122885	
1767,94007	29,66734	-1,4412969	-0,2918195	3,1109136	-1,3038379	20,3752562	
1023,09756	37,4569627	-1,532057	-1,0558459	1,06619131	-1,6675778	21,894105	
1038,25703	50,6186832	-1,5402224	0,43347558	9,92108682	-1,1988005	26,6327742	
1624,33745	17,2494817	-1,677779	-1,67941043	-1,0482659	-1,7132635	16,2150423	
1439,96414	29,9464841	-1,2197223	-1,10353634	0,73739353	-1,6034096	17,3557622	
1418,52897	38,3294575	-1,05123992	-0,6347755	3,88448671	-1,2703171	23,3309608	

1150,94598	31,9177918	7,62490697	1,73828264	8,52609742	-0,3511492	37,4674798
1563,56147	83,0794816	603,266476	2,47168387	19,5206477	1707,35559	59,4801629
1166,99635	121,866905	673,701967	61,2528816	106,722126	147,779468	64,0037241
129,206121	4,13798582	-2,3983672	-3,2235126	-3,8142671	-2,3949447	-2,0438554
346,697958	8,41196143	-0,9475659	-2,3194169	-0,0355684	-1,9916153	0,89235914
233,714228	6,27990078	-3,6549445	-4,1793144	-4,1494186	-3,4091877	-2,1702081
233,860206	5,06801688	-3,5269432	-3,8347588	-4,8012175	-3,6062231	-2,5738263
-2,3045649	-10,714314	-7,3883473	-8,3726272	-10,493163	-7,2439025	-8,76225539
-5,4182416	-11,968203	-7,5735258	-9,0614036	-11,049028	-7,3138381	-9,5394685
182,260319	-0,9692267	-3,351778	-3,5814819	-3,5946801	-3,4823003	-2,5243161
430,625657	16,9415298	-2,7544638	-2,7201685	-1,8438488	-2,9061061	1,26314732
263,457766	3,91552335	-1,8319191	-3,2250949	-3,5898994	-2,3515214	-3,163681
444,6201	10,0951206	-1,9106756	-2,3257428	-2,3518596	-1,883605	-2,4589693
509,996707	15,0824134	-0,8944373	-1,1500188	1,87999942	-1,2438902	1,26094674
122,610107	-1,661154	-2,1265118	-2,7178529	-2,95518012	-1,9644533	-2,4785958
296,922938	-0,5406132	-2,083952	-2,02287257	-1,9660086	-2,0848372	-2,1479514
1485,2624	33,8012376	-1,1897099	0,12812275	1,26222188	-1,3060412	6,01157046
1862,40229	74,7984523	-1,3536373	0,73877051	6,58855451	-1,2952788	13,9064868
419,041114	21,9833532	-1,128693	0,07802119	1,19779326	-1,4697571	0,82821326
722,681541	20,6162905	-1,2118103	-1,4853389	0,6584381	-1,7575922	1,76405643
614,790369	15,7930115	-1,7753485	-0,6154464	0,78088795	-1,77930762	-0,2090625
412,323036	5,39990382	-1,9508866	-2,4416631	-2,3702397	-1,9615582	-1,32997
2447,84588	176,897415	1,45593632	21,2803493	34,5909008	2,51882043	39,9182851
650,43213	67,3588247	0,28799972	2,00266388	6,47163735	-0,4449343	5,3655092
2035,84061	24,9963775	0,00229177	0,10221852	4,68401595	-0,97849094	10,6740301
23,6828012	-6,4259282	-4,1100608	-4,975442	-6,3518278	-3,7537754	-5,3214914
931,083391	20,6788211	-1,1168877	0,10522136	6,31968993	-1,3972796	10,4559093
1024,48728	79,379473	166,736993	7,29889959	28,4053747	100,689624	1,9732002
1240,04387	62,4469046	0,91920695	19,9325085	82,7113404	-0,641006	18,3983409
5128,55819	100,311349	5,96502891	-0,7024167	-1,3981712	-0,6560008	30,371822
711,49107	48,9013771	3,67764725	1,21287957	3,84613674	2,74088816	14,8631389
6010,20756	403,019356	-0,3502183	149,409571	546,388527	261,140178	-2,122966
49,2646289	-6,89368896	-4,3633678	-4,7411744	-6,4399208	-4,1199561	-5,4515678
4,06671422	-10,47159	-6,5633043	-6,946148	-9,4431716	-5,7803049	-7,6653264
650,703322	94,6517541	-0,0507182	3,3798429	9,73917588	-1,0564605	4,11490119
684,388938	21,4439944	-0,0314358	-0,7064452	1,95069097	-0,4735364	1,32956681
1980,08395	40,7786439	-0,7013743	-0,46895	-0,8307749	-0,5054275	-0,4449607
1022,75997	47,5357447	8,14838513	0,14044224	1,96172153	2,52901659	0,83109009
740,372123	40,6889902	-0,037239	-0,11402381	-0,0085133	-0,2016603	0,24522352
6292,38093	343,68178	40,6032082	-0,6894301	-0,6668418	-0,3476847	70,9028739
521,420984	38,942039	3,38771358	-0,7768185	2,76383214	0,73585862	3,7787623
441,405804	5,03830572	-2,37955912	-2,318764	-1,8786076	-2,4333915	-0,0173252
5933,92667	149,811812	-2,641955	-1,0522466	-0,2203994	-2,641955	150,529609
584,734811	13,2328072	-1,0941043	1,23021008	3,3224187	-1,4980727	3,19456441

249,35626	18,8056155	3,76816354	-0,5186581	1,41339871	0,44016485	3,38447125
98,9836399	0,66609804	-2,2724069	-3,3411188	-3,39829435	-2,5802891	-1,4248644
91,3874023	-0,2992646	-2,2850667	-2,89352553	-2,9597825	-2,4695292	-1,2447281
838,085687	16,2140191	-1,56716203	-1,6905783	-1,6518274	-1,5312547	2,84571615
4,9656196	-7,9162588	-5,4195776	-5,8437555	-7,2091481	-4,7359272	-6,2807561
4273,58395	1167,6771	-0,5102732	-0,7828407	-0,8999041	-1,1511551	580,479896
985,068779	82,9928731	3,8985054	33,2007923	62,4085855	5,53112917	29,9701261
827,586799	48,1295985	-0,3660449	3,13129426	23,0396507	-0,5514052	8,19799404
902,879598	50,7385594	-0,97549	6,28880652	34,4376622	-0,6245448	5,808439
166,174561	5,5192498	-1,8935283	-0,1749373	1,58098193	-1,6875909	-1,6224668
2162,34409	271,700037	-0,524756	-0,6193814	21,656102	2,22787355	11,8982458
455,984873	27,1603967	-1,6240705	6,7487889	24,6109181	-1,43188656	5,23843807
3297,40921	126,146031	0,76110247	9,35697907	18,8668418	3,67067681	28,5582819
280,429371	24,9787486	-1,5597239	15,3364431	36,3385429	-1,19742795	9,78978223
856,121948	32,3415759	4,20065717	0,17944897	1,18024478	0,46159699	27,5746884
-16,132727	-14,856411	-10,68556	-15,384371	-16,676918	-12,908439	-13,091629
730,003835	12,4160983	-1,8579237	-2,3157715	-1,0128876	-2,1145856	13,904974
337,284995	15,7316563	-2,0403074	0,30619169	5,81265763	-1,7934397	1,93799033
294,440275	10,2891462	5,54492337	-1,6753947	-0,2580952	1,59089763	-1,0879378
2394,22712	137,885165	433,990622	-0,8445252	23,1105779	37,9031657	22,512902
5869,71547	-1,4691353	246,08737	-0,5525771	10,7246852	3,29222015	4,73672683
7557,06678	700,01228	88,0576252	48,7063267	64,0309578	966,622235	14,8522126
3722,23251	208,569157	-0,7344832	225,096814	216,142547	-1,1324973	42,7487462
5131,91143	450,764406	9,14039248	-0,513337	77,4585905	-0,4096105	120,703043
2331,94287	221,760247	41,3244517	94,440852	80,4939865	473,038182	71,2900824
7143,83047	3075,91688	-0,3491931	55,1680887	532,989073	-1,8188458	1293,00254
30,0553022	-5,1566259	-3,789946	-4,1932964	-4,9540215	-3,4892506	-4,381378
-9,9766987	-10,290144	-6,1793586	-6,998867	-9,1047227	-5,851417	-7,6919497
1034,3316	31,8663661	-1,0145164	-0,6299884	3,88392343	-1,040665	18,909483
1018,33279	69,4701131	-0,240154	3,08193072	31,6274826	1,43708519	6,77063443
1071,82804	40,7575215	18,0215119	3,70476351	15,4177119	-0,0617857	22,6721462
279,327835	17,9095582	0,88072874	3,33397291	11,012918	-0,4980825	6,46419162
191,608399	12,4635929	-3,2538511	-1,0333081	3,61899217	-3,10955626	0,91801701
215,293303	-0,0542086	-2,94337998	-2,9645685	-3,7715697	-2,629118	-2,8119415
652,714963	79,8548384	-0,5993753	231,598703	342,110541	0,19125443	39,8466344
1624,40113	128,920574	9,06219119	28,8913771	87,1307161	10,3294566	52,463178
4530,46558	39,0410748	32,970668	7,04036307	26,3443147	12,3062633	89,5573876
950,739429	-0,99966491	24,2305328	-1,1210585	289,59981	-0,5403805	58,2977873
3295,2709	460,185965	3,60638141	2,92069851	91,3463613	23,8468629	77,3661379
978,034346	163,783012	-0,10908247	26,5874588	48,6306501	1,18050469	29,2260191
30011,2906	1162,87074	4,27613965	89,5742362	264,17251	3607,55947	1430,82997
28072,256	1324,22431	33,7420008	-0,3067196	1,53350193	-1,8775439	1443,64723
139,882188	7,08796197	-3,9968368	-2,026182	0,40901158	-3,7623621	-2,1002744
56,152423	-2,4612265	-2,9260007	-3,5683519	-3,9857843	-3,0422016	-2,6620718

3346,71846	61,9417493	828,847425	17,2131074	113,263773	99,6054972	1749,95025
2550,58016	139,341569	252,274892	39,2249069	53,480325	-0,6912166	108,480978
748,84629	87,3622139	-0,52836864	21,484616	63,1602811	1,90658889	20,37432
2092,99943	221,763711	22,8685939	66,8283095	259,053527	11,8190673	95,4797462
4653,85819	481,033069	382,4333	143,854111	167,483627	293,338203	60,7537555
361,829806	-1,6545736	11,1521506	2,48517646	9,35538621	0,06545756	31,4741644
665,04723	59,0815568	298,102657	-0,0624836	9,6698257	702,346616	21,6429147
617,04644	53,982238	48,5418883	10,0709275	17,0861348	45,3211822	19,2313366
8531,49638	93,1095378	1,25945026	-0,9295455	-1,1357142	-0,2937438	65,2192788
350,582898	15,8094185	6,41639186	-0,6680957	1,44931783	1,39121527	13,9477768
402,336741	11,3749037	5,31879614	-0,3909605	2,63401106	0,80235341	16,7016722
95,8556539	0,58986983	-2,4601116	-2,7483453	-2,4053192	-2,4735781	-0,9434983
1316,88263	203,233556	7,29917815	33,3067892	85,7260928	8,34846034	63,9779764
131,315373	-2,8844845	-4,5334649	-5,2398875	-7,1293795	-3,8905507	-4,9690811
6198,56406	-2,8478456	1620,48457	33,9574838	45,6067665	5502,41736	140,287025
3742,73012	161,153564	4584,58403	474,720886	-0,9192686	1775,45506	290,89031
568,061543	102,066391	0,47100526	154,099589	272,258984	1,87401782	46,1347802
1563,36777	168,824266	-0,5281615	815,845071	813,891731	7,0198695	43,5311054
731,128795	17,5677843	-1,0103411	2,11471613	15,48761	-1,4453915	10,3843098
788,101424	30,111424	1,17872748	8,97281225	28,2925069	-0,0084716	15,1255879
864,190036	11,9158581	-1,0831853	0,63102624	8,23107258	-1,1022332	2,28236074
13,1519433	-8,4580127	-5,6612243	-6,6004231	-8,7271239	-5,6085423	-6,7920472
4,94247218	-9,2673117	-6,1113804	-7,0365936	-8,9838434	-6,1862873	-8,0270587
430,294456	25,5128638	-2,1119088	-0,8187857	1,40499429	-2,2279986	2,36581748
771,968466	39,0793585	0,05056151	-0,482856	1,00776946	-0,78430442	-0,6960337
1276,68176	39,3801229	26,3227947	19,3362387	34,2392139	24,0696533	18,7730374
387,117098	10,3653429	-1,8548645	-1,6595852	-1,0747134	-1,9887829	-1,6077242
192,065008	11,6234587	-3,0054525	-1,7937634	1,93144247	-2,8197964	-1,00061
5127,91217	99,5685191	-1,3227545	46,1356965	134,133099	-0,6403737	143,922198
1615,26693	112,893872	15,3820794	20,5258688	55,7468647	13,115828	47,3876462
4020,77447	232,683042	-5,3034168	69,2115321	267,897332	-1,6463813	50,796825
382,301358	33,1117797	7,00859059	8,88362274	19,9493512	7,64506158	3,39345974
305,891322	2,04719013	0,10917396	0,2976877	4,41490037	-0,91483	1,57919595
-25,578679	-27,414645	-17,8527935	-24,884671	-26,472664	-20,310595	-22,257833
-27,1153791	-31,897376	-17,660077	-28,563999	-27,963541	-20,429684	-24,174214
672,452126	101,520171	0,04119914	18,9771553	58,437622	2,20938969	30,1095085
477,042036	13,8020408	67,7721158	-0,0405843	9,09025289	44,7970073	11,1464752
4268,64922	31,414145	2,36303984	5,16408095	8,13271527	-1,1387889	39,2995395
653,132674	33,8670487	-1,8247496	2,51941045	14,9996164	-1,4076843	10,4365566
376,700948	12,3280097	10,7016011	-0,2250186	0,14189629	4,78313046	-0,8847276

TBP-0-8_TbrFurlong.Iso1_Furlong.Iso1_Furlong.Iso1_Furlong.Iso1_Furlong.Iso1_Furlong.Iso1
-2,0455937 -2,05008833 1,97398688 -1,9104437 -1,1605882 -0,9325403 -0,7783959
-3,1115166 -2,2825688 -0,177194 -2,468545 -1,7643582 -1,8671418 -1,7310363
31,7549175 42,9935983 97,7863489 34,8437492 46,4517305 58,2368317 74,6329918
7,52066057 0,29252238 63,9402063 21,4721716 5,92675153 3,87864842 21,3890672
-1,9614967 -1,0252794 1,14933559 -1,5456186 -1,3788872 -0,0593692 -0,15521516
18,0889455 18,9763784 195,66509 62,4048953 31,4013084 26,6683633 60,289644
-0,8840331 -1,73231589 0,07344013 -1,2428564 -1,0273174 -0,6831321 -0,14592484
-1,9087592 -1,9507132 2,37782458 0,37087045 -1,2563142 -1,63497 -1,1939745
640,464945 148,246601 1567,93482 623,291841 315,536164 252,342525 396,093047
3,5519703 -0,536033 91,9358097 18,6475408 4,62511696 3,02827454 19,426396
311,380834 161,662651 1907,29165 883,998079 410,918051 172,545985 592,176311
1413,84346 660,298059 3443,86868 1368,31958 961,530218 914,172592 1170,71681
-2,0990021 -2,6214366 14,8983772 4,3713805 -1,5796971 -1,4440274 0,9831353
66,8090092 28,9171428 505,562599 166,106992 68,0995978 54,9742403 91,0372017
-2,2695535 -2,2692238 5,89810835 -0,0882647 -1,70985 -1,3436048 1,02847789
36,0463709 17,020951 339,936211 177,662471 53,8619687 25,9092828 107,998179
-1,8183102 -1,9648743 37,5869676 5,84481127 -0,3081523 -0,9558674 2,41710705
10,5684205 1,96910902 97,8699088 52,0918199 14,6415126 7,7204758 33,8063384
48,4258142 14,4676119 286,601552 114,592338 37,7427333 18,2895925 78,7703363
-1,32814521 -1,6189875 51,0931022 6,69021321 0,8988114 0,22214812 12,1668184
593,10416 328,198259 2606,32914 1214,72934 664,716678 531,35619 1032,55531
34,9689327 19,4950902 108,490015 37,4177514 33,4918506 35,3761718 39,2566854
2,89372414 -1,6332604 -0,4338738 -1,4677685 -1,0113136 -1,4242728 -1,58479245
-0,9944433 0,31489241 2,48918935 -0,49683574 0,54598915 3,95546509 3,99050501
1,04096393 4,40786826 14,0857716 4,56861255 7,76048336 14,359885 16,5373849
-0,16207052 -1,3713747 -0,3261538 -1,5597303 -1,2446954 -0,8752044 -0,7099636
9,99650477 3,22882147 75,5732482 25,3038585 12,7656732 10,8857866 16,4269028
NA 27,5944305 108,708341 71,6981526 79,9374265 48,0955276 34,8919295
27,5944305 NA 392,491294 148,673212 188,16824 390,587568 21,6932142
108,708341 392,491294 NA 32,6275101 15,1353973 16,2033763 104,993263
71,6981526 148,673212 32,6275101 NA 165,780717 147,967465 42,1914355
79,9374265 188,16824 15,1353973 165,780717 NA 306,641199 33,7767835
48,0955276 390,587568 16,2033763 147,967465 306,641199 NA 37,8744281
34,8919295 21,6932142 104,993263 42,1914355 33,7767835 37,8744281 NA
25,6073505 58,9282033 98,1054849 42,4169912 53,6814334 94,3278918 41,1698827
52,3551372 28,2732846 167,502709 58,8837905 56,3966997 60,3146929 111,788748
43,8766389 22,862765 82,1100229 19,6069586 22,2464553 34,6237807 175,750106
27,6074274 62,2862613 37,0168762 322,671169 183,970271 78,6578499 54,4654074
40,55528 58,1200835 20,2664127 237,303264 161,079128 67,516581 56,6761571
43,5377754 155,092885 32,7040955 279,936249 294,216896 166,235557 135,12639
38,6943971 35,3101842 14,1303435 159,083033 79,745421 30,4470948 15,9252633
52,7745311 48,4241308 14,8694493 227,373805 131,885517 54,0282681 35,7497603
75,0708657 128,160861 23,4532947 217,71062 250,746204 137,56332 63,9142083

44,1349967	78,802947	-0,3611211	31,9173873	37,7302685	19,3590558	10,1182339
1274,15777	269,593323	3,62753192	76,1644516	238,251193	73,986806	13,3911553
825,849968	185,726777	7,99522397	63,517397	247,26214	143,883903	12,1073483
36,5541457	1,5159896	-2,93975153	-0,41299514	5,45077466	0,83457748	-3,0167534
69,3522053	13,9634127	-3,0215519	8,85408312	20,7021454	8,37508141	-0,8733481
70,1512781	1,28327241	-3,9714504	1,24747426	6,82232635	0,34628187	-4,6900384
67,8105181	-0,2300638	-3,8871966	0,42403832	4,99055635	-0,89786532	-4,821235
-12,56852	-14,32075	-7,738955	-12,4835525	-13,964251	-13,309487	-9,4708635
-13,996496	-14,6570118	-7,8627695	-12,505531	-15,033757	-14,126693	-9,388505
26,4503948	0,83520598	-3,47722653	-0,177064	3,48397374	-0,6601172	-3,0310709
67,9038112	13,8056231	-1,3339726	15,7344347	25,342711	12,0234416	-0,5136278
121,79308	1,02116533	-2,5643101	-0,8844641	5,05025725	-1,047088	-3,7370292
168,421959	9,43540926	-1,6689621	3,03089081	14,2939068	4,70790036	-2,6697713
122,569386	14,41585	0,6709009	13,8159804	22,0862545	12,7099527	1,56284324
-3,5106749	1,80890886	-2,6010126	-3,6085426	-1,8496336	-2,1872563	-2,6538438
11,9490605	-2,3332164	-1,7124463	-2,2042716	-0,4963826	-1,6144701	-2,3509
101,22007	21,7674917	2,21100604	39,4600985	35,5843456	12,3850095	4,51676308
118,166453	49,9733378	4,63965792	84,7935486	71,0724155	35,6765784	12,3947473
42,2594521	19,5838083	0,1789631	16,5343316	24,3291248	14,0902755	2,56922897
44,6540183	13,9376212	-1,15806196	19,9470472	23,5760633	8,78647924	1,15236167
70,7920929	10,9805341	-1,7083498	10,3521368	6,92481631	5,46105018	-0,15112732
47,747665	0,60972458	-1,12631513	3,40624585	0,78432423	-1,7185959	-2,2815602
779,24191	129,728807	10,3986333	113,288787	221,520866	130,819841	18,9866973
376,076127	66,2437439	1,02195475	47,1765649	100,905739	60,8950081	4,97808036
47,7811687	19,4817085	5,64780489	65,093011	31,764757	17,2424587	5,30204654
-8,4160498	-7,814535	-4,3592692	-7,5625162	-7,1141747	-7,6722369	-5,3412652
24,3780739	73,9264155	6,0278993	71,6274627	104,049491	98,5647789	44,39644
430,134265	105,54689	-3,2989445	14,8406943	77,623198	40,79955	-1,1153313
228,402865	56,0479644	-0,3754658	32,5230895	96,8618719	81,6659982	16,7204548
1491,15282	52,4929308	4,94762805	50,1173148	285,824627	78,902379	24,0387236
187,644593	54,605771	3,18099565	55,2809872	91,7587635	67,2223871	9,85656494
1688,46574	2218,69866	-8,9846858	536,988477	1543,22886	614,93176	217,427679
-8,7688619	-8,3025192	-4,5739993	-7,4968495	-8,601054	-7,6283535	-5,3272566
-14,1844301	-12,495285	-6,3135701	-11,118274	-12,815859	-12,719571	-7,6878548
182,076108	172,288971	10,725581	78,6352341	173,501475	145,676024	9,92314492
23,382803	27,5397196	3,8577096	22,5169215	27,7774983	27,3093185	11,534517
482,838364	-1,341553	-0,5096003	10,195777	19,3527492	16,2907647	16,3797125
415,23565	38,5090786	0,48565369	34,2219098	79,5327853	49,0323472	10,1369574
331,637782	35,0489047	0,62619684	19,8842552	29,398778	15,5412555	4,58943286
344,871337	253,108258	39,6224274	878,105199	388,207205	251,705967	147,447243
162,274684	56,5323828	-0,86786848	32,2459075	66,9867342	40,7593978	4,81501439
-1,316578	31,1935087	1,4420241	37,4029718	34,427369	28,5400653	16,4074293
3661,0599	833,087359	1,59403579	155,071195	3153,16316	70,7792305	-2,641955
39,1610633	24,9414064	-0,36772	15,9338259	20,5662	8,01264708	1,58214688

117,887465	10,4681761	-1,3495514	8,20040212	28,7415712	10,6174866	0,01867361
22,6773392	-0,83982104	-3,1269659	-1,6918463	2,10470814	-2,2273558	-3,1389486
14,9014427	-1,1290436	-2,8478756	-2,1796755	1,28452117	-2,2275416	-3,1266846
23,5702158	5,35831443	1,73168321	21,065071	13,4442877	3,45027574	2,21564249
-10,975555	-9,7737496	-5,2171703	-8,59292595	-9,32903905	-9,0857708	-5,9041929
1942,60562	770,465525	212,340206	978,519165	1074,44424	520,868531	149,751665
171,999596	85,3934413	1,11126897	40,057517	99,1243885	65,1994145	4,6716345
118,22103	49,0670064	1,11355842	22,5354033	45,1891988	40,6180283	0,57770316
108,095742	29,7849502	3,4704211	15,2936915	52,4082465	12,8170413	3,38497001
19,4813109	10,5743121	-1,9395663	0,34263357	4,84958178	3,12876104	-3,0700116
690,38914	70,8779771	4,4304273	77,8248559	61,0062202	54,3657197	12,478646
40,9447728	11,0321847	-1,6551433	6,88514835	27,5362635	10,6839281	-0,7506925
505,591168	27,9854477	3,29099634	107,979535	176,969466	101,869646	7,82871885
41,0255798	24,2712165	-1,6913672	11,1202499	28,0473394	22,0860069	0,83573455
89,7691802	6,06299793	0,01749715	30,218111	40,4797752	12,9385393	2,38626912
-15,584943	-16,290544	-11,634302	-15,874473	-17,932786	-16,249916	-14,690532
7,55608609	25,9442727	6,9733621	91,4611402	54,9327483	30,5431915	18,2116425
3,82423484	91,9250239	2,21974901	27,2175573	54,1482767	70,4064937	20,7293282
277,241235	8,58047696	-2,4417337	4,35224398	17,8183089	4,2276889	-2,3444941
2852,00463	449,733071	-0,3009672	131,213528	900,490094	216,189858	-0,8075241
6510,9856	1006,10566	-1,033419	109,242443	280,704915	449,046227	25,6990925
5698,54109	345,600769	-1,3660806	300,62398	668,612911	164,957068	-0,8575537
273,561418	191,357625	31,1780504	45,452389	185,497433	159,161756	12,6694161
390,570441	80,0004109	137,608828	1043,45507	546,431326	406,360174	134,973723
1155,14103	238,514671	42,7428334	110,202052	376,152196	332,284867	-0,5891806
1135,7176	1650,66619	257,104259	1272,45167	4348,32846	3099,01317	204,473335
-4,13374982	-5,3500539	-3,7863445	-5,8369864	-5,6684523	-5,1525039	-4,6390698
-14,782419	-12,324553	-6,30251084	-11,154246	-12,554258	-11,952495	-7,6968725
60,6050608	50,4624642	8,26146703	76,2893825	62,5352014	43,2340547	12,3891569
89,6346353	149,115503	1,05510799	24,2507695	70,0734361	74,0834473	20,283476
87,693989	67,1502825	0,80707313	11,27708	23,9614493	37,1074821	3,33449015
33,460548	28,9855046	0,05157906	6,67645046	22,8668596	12,8575184	1,97558882
17,5219173	13,1932333	-3,4850888	1,26659723	9,62820386	7,54894951	-3,0579982
22,2436238	-2,49372	-3,2567245	-2,2463142	-2,3851495	-2,1553895	-4,2370395
61,9609528	108,955372	4,36021785	34,1456448	77,1536595	108,965625	7,05290409
421,930882	159,558018	1,93009749	73,0274442	145,518084	145,406374	9,5107471
1426,57509	241,62235	46,2122568	175,492787	1018,91422	570,083657	-1,1855852
4479,70553	119,434555	-0,4080907	-1,3479484	492,988663	127,373341	45,3504029
1286,22664	296,891278	8,06742345	143,773531	329,9657	214,714434	19,6160008
221,137688	103,493916	5,14690498	53,5098847	83,187919	49,8566927	7,20883275
3342,87872	2621,72676	2208,60378	1407,02166	3346,70328	2183,35687	653,607187
3063,39703	-1,2943598	2,67885088	2178,53827	1452,28702	736,885506	-0,2886328
16,2021388	8,19698638	-3,9668406	-0,2919572	6,20768298	3,13771918	-4,1597497
5,04769297	-3,0144429	-3,3768638	-3,6877318	-1,6229108	-3,8764061	-4,0925957

855,076163	72,0007786	-1,3257051	45,764197	389,75732	34,7028909	-1,2099936
265,425386	-1,2910868	-0,8658837	-1,3616829	-1,4028588	-1,1401707	-1,3583484
172,193117	146,083073	1,42688256	41,3579127	110,053018	116,474538	8,10119279
1055,54873	131,418488	-0,4908764	121,766809	207,930556	163,994919	-0,8925806
1769,91979	494,13446	-2,2615651	174,377063	1030,31162	704,402271	25,4610268
-3,5849146	53,9498562	-1,0046577	-2,3644639	6,51537379	6,24499252	-1,5997762
609,243705	151,704572	-1,9773909	27,1878357	86,1008616	52,3840491	2,75579152
249,015816	62,6481195	1,1795425	21,4970313	71,4861798	40,0514354	0,53766189
68,8212088	21,419274	17,9325507	278,410394	50,2049302	22,8864094	35,6784384
171,393838	12,5783167	-1,8758846	7,36436277	41,1103166	7,78928666	-1,5014649
133,357567	14,1433514	-1,8529563	5,98682724	34,8665786	6,09660155	-1,3059401
17,8591906	0,93949327	-2,9051047	-2,0473593	2,44918357	-1,4692048	-3,0545116
191,408606	103,640283	7,08137996	123,27668	187,103856	183,374013	10,2662822
-3,995625	-6,8538864	-4,5254637	-3,3672305	-6,7291965	-7,5275877	-5,4314849
1161,34707	366,650052	-1,464088	41,7220277	215,165718	186,925569	-1,3032893
930,183273	965,794507	-0,2438337	22,1979065	161,820334	157,560204	-0,6277826
51,5258184	151,850702	3,50218678	59,5391556	128,005684	173,154629	47,7376293
265,198721	231,299015	9,44611326	45,3487604	252,540858	190,450521	28,0114063
73,8039696	40,4393079	-1,4538217	25,3527804	54,2465286	29,2540288	7,94629006
130,900366	73,2904458	0,09512293	28,3872008	77,1686711	40,909533	8,06936413
99,7483655	5,44228926	1,16717409	20,0547514	36,6213117	17,3391483	0,34701621
-8,2877325	-11,768741	-6,70184548	-9,44148856	-10,9754227	-10,611965	-7,5402938
-10,716114	-11,904008	-6,2915029	-10,524022	-12,138769	-12,472332	-7,7464823
112,883991	28,4442842	-0,635134	20,294749	35,6661858	20,3159488	2,12092077
451,159265	13,6596644	-1,7399757	10,4243376	32,4706233	8,69194725	-2,0444443
223,583135	45,335082	-2,1558054	24,7720021	61,4628566	29,0013856	-0,0491097
1,31311318	-2,8742482	-1,8949199	1,38893533	0,56672518	-3,2293158	-1,03430486
24,9185159	18,8865373	-3,6394799	0,96152764	9,95553702	10,4296517	-3,2185958
240,780667	81,7010824	4,41068693	165,367726	206,077718	56,2661011	19,0651894
255,060746	98,3810941	1,23340027	54,6095921	151,827342	83,9847915	6,56253958
313,121258	799,764808	72,6419868	370,496617	414,414413	336,892786	67,9044002
129,408554	49,9427869	-1,2817748	2,89738958	25,0805517	7,07290316	-0,812804
-0,4532624	0,88818038	-1,9192474	0,8784184	3,38933707	0,27355581	-1,3761034
-26,2367	-27,325263	-22,989177	-27,237667	-28,598009	-25,803832	-24,705348
-23,703029	-28,236332	-24,236967	-27,057707	-27,471288	-28,391038	-27,724319
87,086416	119,713705	1,80952266	50,6979814	90,9473681	75,6069942	3,4801931
540,652267	43,2641635	-0,8262402	2,50670158	173,856647	30,3881739	-1,5247567
26,4088846	14,163153	12,8617091	180,847215	60,6317886	21,2951854	18,1515812
150,440153	54,7545108	2,8878845	48,7719303	79,9542525	51,0772642	4,87234927
188,605343	12,1444208	-2,1161541	3,3540556	13,5524413	4,45454467	-2,1541729

Furlong.Iso1	Furlong.Iso1	Furlong.Iso1	Furlong.Iso1	Furlong.Iso1	Furlong.Iso1	Furlong.Iso1
-1,6616262	-0,91233137	-1,03004486	-0,6690768	-1,3520899	-1,5621336	-1,5776286
-1,22603	-1,8291251	-0,86054156	-1,0366058	-1,5268076	-1,9776115	-1,9056504
73,3442674	93,8364721	143,118914	23,7351153	23,4770782	43,452004	13,7457238
4,39234288	15,0869694	13,0978202	32,7525785	24,3192625	14,8158989	70,2006072
0,07268088	-0,1527463	2,62439556	-1,0906266	-1,3907953	-0,8413944	-1,9196005
28,8189697	73,6593366	68,9836755	103,927778	65,2171987	73,9818536	144,400874
-1,28285	-1,2206806	-0,8355923	-1,2540444	-1,5367446	-1,2685011	-1,3000013
-1,8353711	-1,6789173	-1,0103979	2,59728856	2,30264015	-1,4076173	5,42691089
156,464314	416,588889	334,476353	460,11883	588,055316	512,281999	1012,04366
1,13330614	5,20501459	14,0424047	44,2688863	31,012058	28,7637459	95,831691
255,237556	357,539878	351,837976	626,791985	983,326553	810,843699	1290,40569
733,243686	1299,92814	1119,88375	1678,38673	1263,4377	1299,52111	1932,71231
-1,931313	-0,7102642	-0,9528768	19,7874619	9,06381533	3,71389831	31,8220571
30,6798864	85,9614559	75,6964918	219,967449	172,87208	164,309513	365,379748
-1,9911515	-1,05217	-1,0817681	3,70441895	0,77428229	1,01500122	23,94226
18,82065	70,438981	57,4971401	349,325885	209,591563	158,455522	388,183127
-1,2777673	0,96230225	0,59990568	13,3016021	10,4391949	7,88991596	36,2787287
21,8077925	75,9993938	43,1733745	128,671925	64,0777616	43,9981297	105,867259
14,1691977	56,4284389	37,6549425	236,171684	148,352017	131,314491	403,343238
0,06117964	10,3977711	7,23102124	17,0962635	12,9073114	11,686664	50,7871182
493,528319	945,546624	912,103959	1767,94007	1023,09756	1038,25703	1624,33745
18,542644	34,4201208	30,6352588	29,66734	37,4569627	50,6186832	17,2494817
-1,1248896	-0,7639408	-0,3576338	-1,4412969	-1,532057	-1,5402224	-1,677779
2,51161661	2,16121715	3,27080738	-0,2918195	-1,0558459	0,43347558	-1,67941043
7,85526695	9,55718206	11,9993375	3,1109136	1,06619131	9,92108682	-1,0482659
-1,3261375	-1,4042016	-0,9139353	-1,3038379	-1,6675778	-1,1988005	-1,7132635
3,73397357	14,6623413	15,1122885	20,3752562	21,894105	26,6327742	16,2150423
25,6073505	52,3551372	43,8766389	27,6074274	40,55528	43,5377754	38,6943971
58,9282033	28,2732846	22,862765	62,2862613	58,1200835	155,092885	35,3101842
98,1054849	167,502709	82,1100229	37,0168762	20,2664127	32,7040955	14,1303435
42,4169912	58,8837905	19,6069586	322,671169	237,303264	279,936249	159,083033
53,6814334	56,3966997	22,2464553	183,970271	161,079128	294,216896	79,745421
94,3278918	60,3146929	34,6237807	78,6578499	67,516581	166,235557	30,4470948
41,1698827	111,788748	175,750106	54,4654074	56,6761571	135,12639	15,9252633
NA	356,906837	521,000494	47,3885912	29,1969948	109,343118	17,3529102
356,906837	NA	271,732566	48,4126396	53,0799787	127,167318	20,4453229
521,000494	271,732566	NA	15,6313084	12,5130873	54,0437816	7,42992993
47,3885912	48,4126396	15,6313084	NA	170,09904	208,161185	92,715396
29,1969948	53,0799787	12,5130873	170,09904	NA	258,633606	125,070486
109,343118	127,167318	54,0437816	208,161185	258,633606	NA	46,5998709
17,3529102	20,4453229	7,42992993	92,715396	125,070486	46,5998709	NA
22,1385393	36,1168644	9,83359351	118,483995	212,130198	90,8385345	140,768182
46,3019005	59,3479494	22,3581101	98,1397462	215,296055	107,963491	128,633544

43,5183495	28,9872897	5,00690968	14,2206238	23,2433423	19,5344607	7,59747396
132,038871	28,0177983	5,00298788	4,70742937	22,276506	19,0161406	30,0582109
49,838626	19,1700609	15,0684697	0,77224183	53,8911232	13,195361	50,0582697
-2,4815085	-2,9787353	-3,3989096	-3,4711309	-3,1176228	-3,2748042	-2,3058923
2,70036764	2,58436559	-2,2439122	0,03848406	4,90977283	1,33138418	1,32986869
-3,0373744	-2,4401838	-4,622492	-4,6633707	-2,2413588	-3,8895288	-2,882302
-3,5983498	-3,14864676	-4,6836226	-4,7178135	-2,5718864	-3,8372192	-3,4259713
-11,802903	-10,241813	-9,1657292	-9,6470552	-10,71981	-9,8571809	-11,441986
-12,242875	-10,696335	-9,6755349	-9,7161295	-10,9806964	-10,497132	-12,339773
-2,4823856	-2,6818978	-3,8800444	-2,4778037	-0,9203677	-2,4481687	-2,5300306
4,32551333	1,92903291	-1,9609917	1,13046854	8,30554574	2,43972559	7,26012299
-2,5963393	-2,3122665	-3,7800346	-3,9599332	-3,8816946	-3,7046675	-3,3716134
0,73852453	0,3011487	-2,3850212	-3,2143448	-1,8345555	-2,276429	-1,48908434
6,07931359	0,52942302	0,77505562	0,57415706	5,3375783	-0,0770821	3,85157958
1,06437451	-2,4541901	-1,77784	-3,0919208	-3,0055774	-3,2026157	-4,3954394
-1,9868815	-2,4577879	-2,5033198	-2,3641854	-2,792897	-3,1450905	13,8433743
14,756495	11,427263	2,28711504	29,7205443	46,7093676	17,6562821	84,1825384
24,6094	31,182958	8,691818	37,5501977	88,4168034	32,963486	67,7644762
10,6680646	8,81816	3,11338233	5,63643518	14,8774569	7,7714114	12,80604
4,59135022	2,57805019	1,5476639	5,46936626	14,8648266	7,94777493	19,0632256
0,66136571	0,21895909	-1,2682315	1,0658844	3,96586676	0,96216441	9,41785904
-2,7817058	-0,9111318	-1,9730999	-2,2458985	0,36741489	-1,5295345	6,25072054
65,7412669	32,2159545	20,5550358	11,061758	82,118174	46,1715304	62,0452313
11,0149129	6,40788397	0,6583946	2,33370415	8,0652195	3,83509817	11,3060943
9,84326132	8,8500867	0,8179096	58,9746673	61,1140773	23,6096794	197,029446
-7,1750721	-6,3876358	-5,2540997	-5,3264133	-5,7683441	-5,79512112	-6,9971561
52,8624198	53,2592513	29,4123843	47,230394	99,7344051	110,684764	48,0887763
25,2058388	9,71826382	-1,549874	3,31514294	24,7855195	2,60092759	4,81263764
50,0269521	8,8971437	12,0166513	8,60475729	6,96725142	13,2850024	16,8298453
72,3588422	25,4922453	0,74041434	5,17133039	40,6599169	57,9610337	25,9074046
34,8706707	20,7605147	9,57280833	7,75700291	27,6564462	17,9302327	24,7243837
1054,24937	-0,6697425	58,8889239	-2,4876198	10,2575679	17,9602506	213,676875
-6,9334814	-5,7840307	-5,3281686	-5,9371419	-6,9618496	-5,7586201	-6,4954818
-10,40634	-8,7876196	-7,9101711	-8,3693534	-9,6007928	-8,8232346	-10,238634
26,5887076	10,3518394	2,48885539	5,40915683	17,4811527	10,7249175	13,7381624
9,87338924	13,6339182	0,94360439	10,8034068	24,5047284	17,8915229	28,4722868
21,0601068	33,2197892	-1,1999707	-1,2749867	2,3649678	11,1966101	4,25858735
27,8046155	11,3670891	5,7530704	7,03201291	14,7512437	21,9073292	5,6011131
2,65585234	0,86845205	-0,85165	-1,7350738	4,69957307	3,72288213	11,6095134
43,1105689	234,091871	75,0238881	324,91139	302,11447	668,157449	582,83174
25,7060161	10,341469	2,94599558	3,48033806	11,2783403	12,2359645	7,21381503
15,8127565	17,7183658	6,256284	25,9147854	37,7513457	32,5670643	22,9938965
2214,02972	260,04299	1012,75736	-0,2342749	-0,6301604	383,578807	-1,1856167
13,1787334	5,50483276	1,65103832	10,8405135	22,7904196	17,900358	12,8334059

2,62224121 -0,7065249 -0,8086814 0,26637165 3,36516127 -0,0701672 1,51219527
-2,9444673 -4,01835455 -3,79982045 -3,2356755 -2,6586438 -3,0549926 -3,9269018
-3,246755 -3,7099833 -3,4322368 -2,73999104 -2,4498488 -3,02466504 -3,3794626
5,72484212 3,69213674 0,34186819 11,5484119 22,5767218 9,76536091 31,8788284
-7,39497817 -7,3226975 -6,3438069 -6,6988827 -7,774992 -6,2300588 -8,4255966
307,389073 249,942679 162,644159 32,1270918 296,43657 426,619096 208,049924
21,6955694 7,49489338 2,19531724 5,13674522 26,5556268 10,9300406 17,9919864
36,0292907 4,15440955 3,92520314 9,53711071 11,7199697 3,60778459 9,65365418
26,9697315 8,44499769 4,14282618 11,8834533 8,09811528 1,3485513 6,48283816
1,83255601 -0,8996102 -1,6449161 -2,135433 -1,3880687 -1,7538606 -1,8942989
73,1803321 21,8217471 -0,5950301 59,5443502 37,6124288 2,60838613 63,1854302
4,30144323 0,40094469 -2,034432 1,5899698 4,09366155 0,58036227 4,60167503
33,4702021 15,6357101 6,08362231 38,4087338 74,7893506 66,442961 56,5303256
9,9982779 4,41750888 0,50965612 1,35094148 6,81444542 4,06662617 4,06984011
2,0427485 2,99058837 -1,8314303 10,7301352 15,5209985 6,30516179 20,4905266
-15,431671 -14,7497389 -13,534281 -15,094614 -15,000077 -12,708611 -18,599406
10,0137246 24,1747716 4,63586497 52,4974823 89,4542503 64,533755 67,1082094
37,6956983 33,6154912 17,1157336 12,2433033 19,3097378 26,4002425 18,2098462
-1,9434644 -1,68504135 -2,4896376 -3,30441497 -1,23093902 -2,6014596 -1,1778202
-1,4979682 -0,9736039 -0,7372074 -0,9122354 42,8580663 -0,9480226 128,226416
182,415101 123,853934 30,0615583 -1,0038197 64,8775808 21,2195891 -0,2101284
211,75193 140,961989 34,2034453 -0,9019026 120,917503 161,443484 60,6284709
34,1754514 12,9454116 10,9764107 11,3103092 75,503923 103,338015 189,616938
33,7088335 112,057528 -1,7975223 662,160539 602,860848 678,67885 595,658462
93,6239083 6,08961736 32,3899637 8,56417467 145,553878 16,1859989 157,155704
-0,4710209 70,2314797 -0,70667935 899,817702 1144,0114 307,643713 848,672088
-5,5769656 -5,3415732 -4,1465971 -4,86449074 -5,8372702 -5,3114775 -5,6946267
-10,519059 -8,3222572 -7,7140107 -7,9820823 -9,12526722 -7,84157352 -10,214885
22,2752488 29,731594 8,62360166 44,8460229 71,9322474 37,4127672 65,9127527
61,3226634 25,4348907 6,7146189 5,86547317 17,0378291 19,8250734 8,23190425
35,6207392 9,67004192 2,35082624 1,05652586 1,08660836 5,48330375 5,50940879
12,8760685 6,54768912 2,10158336 -0,4022544 3,74542239 3,6510172 4,59882576
0,95650186 -2,0676917 -3,3996239 -3,7862002 -1,9546984 -2,6655439 -2,3980388
-3,4612241 -3,1849083 -3,4335728 -4,4546741 -3,4331237 -3,8022355 -2,2681958
33,2964955 25,6162556 11,0739105 5,42467867 4,10493215 18,7641633 11,0111961
57,1963909 25,5035923 7,12580667 13,0589095 32,8755977 21,1303661 25,2898571
5,68292254 33,9264723 -0,4403621 24,0298669 8,22127069 -0,6679134 60,1202449
-1,1328303 -0,9450031 -1,1644824 -0,4729492 -1,0528826 -0,3112728 -0,5933668
163,874938 196,016646 75,938305 9,12879671 77,312743 59,066059 70,3809468
35,0158316 31,6875529 10,5269563 8,35892537 20,5452099 16,003257 20,2958894
1088,19297 1303,23844 2021,49839 336,020786 918,131052 424,347629 977,314475
908,922875 994,470747 263,929414 2352,55588 1611,86893 570,63983 2319,02296
0,10074722 -2,8846044 -3,6899416 -4,53003886 -3,1164054 -3,5907551 -4,3042837
-4,4761878 -4,5058104 -3,7941804 -4,2480534 -3,9680416 -4,303339 -5,3801716

-1,9485123	31,8131568	-0,3689902	2,2532906	113,192868	-1,09262463	53,121758
18,205943	25,8760558	4,72358631	-1,1643562	-1,1707896	-0,9878009	-1,2758234
44,6142333	20,8164103	6,22710645	2,95793906	17,1302983	11,4696547	9,93995435
-1,8366574	4,57598829	-0,8880693	46,683736	53,4403577	79,3845829	69,3409561
94,7185377	12,79359	19,9972727	130,255589	193,718731	75,1469612	125,882501
7,97818177	-2,2083306	0,63757078	-2,3355936	-3,5816414	-2,2857008	0,13320465
15,4638864	3,22249235	1,8110491	-5,3248904	22,2095848	12,5852875	7,69602675
19,392418	5,17973988	1,4957535	0,59909137	14,0426238	3,78893139	8,83675333
13,1628793	16,5157465	-0,7039056	321,819054	379,70269	74,6934838	1752,98245
0,39930321	0,81921513	-1,3262972	-0,7909501	1,87580241	-0,613812	-0,2023317
-0,5548891	-0,0923318	-1,335838	-0,5887581	1,4387691	-0,6762293	2,60280303
-2,4689806	-3,6024015	-3,3886794	-2,9571361	-2,051808	-3,40283429	-3,5361779
71,1641146	29,8542529	19,3013367	25,0797114	49,5819079	39,6637372	19,1392144
-6,8305107	-5,59621758	-5,8653665	-4,0124844	-2,75242683	-4,2743464	-2,597758
47,494848	96,9969807	-3,7035538	75,2442354	172,144478	103,913372	531,034342
11,5276207	5,89766879	-0,6443371	-0,7643412	-0,801508	4,20535731	40,9856282
111,709768	53,2654062	40,2102352	17,9403288	19,978932	38,8477564	20,0976806
101,084712	61,7219769	34,8251454	125,181152	115,29313	47,8794488	7,05892818
21,2849864	12,1851215	6,71083997	10,0852633	15,4342915	13,8826398	15,6061911
22,706959	18,0342519	9,30907789	7,58024247	21,3243214	11,2820756	14,4162085
4,53350061	0,22583143	-0,3657605	-0,14905544	3,87518982	-2,5458323	4,19621928
-9,4346613	-8,2491327	-6,70590115	-7,140624	-8,4324363	-7,5944223	-9,2210719
-10,033195	-8,4211717	-7,6767865	-8,3368638	-9,2680976	-8,135843	-9,9870714
11,514608	7,20514121	0,49418601	2,05502638	8,3897711	5,08544693	4,92210415
3,36773572	3,92890528	-1,6247635	-2,2069334	1,34918636	-0,6843617	1,43156482
8,71820786	1,27714244	1,59268463	4,68790614	8,30675077	9,16399302	34,7701345
-2,1230628	-1,9022922	-2,3189333	-0,15559969	2,14544219	-0,7955428	10,7971398
2,63797253	-2,5121331	-2,7676102	-3,8414843	-2,9357776	-3,0986933	-3,4118305
35,1609141	15,0229806	6,69276853	112,925273	140,823939	72,6456163	113,190933
46,7516694	16,3687471	12,2098452	5,12606595	42,3618696	14,1925931	37,623172
65,2707455	44,5011189	-0,6703652	146,491529	268,733117	339,059038	315,729106
8,72299987	0,29847561	0,35181174	-1,0202005	9,46584424	0,59047014	1,77649983
0,87763018	-1,8494863	-1,8765704	0,06837475	1,80234274	-0,9852722	2,47641411
-27,700628	-28,286357	-26,667813	-23,469297	-28,33793	-27,234598	-27,166686
-29,00042	-25,645975	-27,986926	-28,134079	-28,38109	-24,159528	-28,179309
32,520046	8,67408239	8,12716428	7,43197745	23,0617332	4,03335216	19,6947858
35,3735128	-1,1013234	5,11651499	-0,9729453	2,14890948	-1,06903254	5,32277304
11,6447272	26,8495814	0,11896854	229,314141	260,011514	69,7666564	581,14765
10,3581999	7,97359061	1,93817994	6,30077057	16,2536049	9,52064229	17,5611374
1,54241817	2,5176941	-1,0800588	-0,6387887	0,30849317	0,47524819	3,27228312

Furlong.Iso1	Furlong.Iso1	Hr46-GFP.T	Hr78-GFP.Hr	Hr78-GFP.Hr	Iso1.24_mod	Iso1.2558_HI
-1,7108892	-1,236751	20,606464	36,8073136	3,05294704	-2,8110929	-2,62283355
-2,4717682	-0,8378327	102,508691	45,4311185	2,38112641	-4,0693402	-3,6911212
25,0448114	41,4289332	135,481966	304,416782	164,640758	5,23172639	55,5087282
25,7137949	14,7296261	11,3310374	52,2122976	-0,2071645	-2,5524394	-2,0303476
-1,7838977	-1,4289749	3,01815872	63,7450786	18,7475113	-3,00755076	-3,2262695
72,1787388	48,3357519	43,3029803	62,5867019	63,7227944	-1,047914	17,3109954
-1,4454602	-1,4104937	-0,4647921	218,327367	209,415697	-0,8187595	-2,7579548
0,85644857	-0,3305982	1,36868028	-2,831297	0,84947163	-3,2669577	-3,381881
683,092126	554,1651	602,055978	1890,00743	1022,94469	87,8892563	279,589003
24,781909	15,4382468	7,69461472	6,31939594	11,1250153	-3,5533729	-1,6021797
999,301453	823,903427	852,627381	668,024455	883,7914	64,7283522	215,860858
1392,21852	1345,35843	2579,04107	7894,26281	5307,35175	391,587829	802,343213
9,06369564	2,51403588	4,41546239	22,21152	-0,4167447	-3,34651765	-3,16217613
155,971309	127,345458	71,1043549	151,721702	289,929423	8,51162453	29,5437136
0,23611043	-0,6228817	-1,1543664	-0,6926484	-1,8621688	-3,7112041	-3,6410547
218,691912	126,601387	60,0533849	87,8342524	132,282404	4,31013107	24,4745183
6,94925551	2,80853326	-0,6527141	-1,3591318	2,84259297	-3,4066976	-3,2214097
60,5222533	44,0477886	25,6012043	49,4562559	15,9682732	-2,3393238	5,7758466
156,639279	122,544176	136,412206	212,730237	155,204356	5,85542689	26,0494669
6,75551648	3,87676927	1,71014344	6,22518573	4,21324541	-3,3036852	-2,34815608
1439,96414	1418,52897	1150,94598	1563,56147	1166,99635	129,206121	346,697958
29,9464841	38,3294575	31,9177918	83,0794816	121,866905	4,13798582	8,41196143
-1,2197223	-1,05123992	7,62490697	603,266476	673,701967	-2,3983672	-0,9475659
-1,10353634	-0,6347755	1,73828264	2,47168387	61,2528816	-3,2235126	-2,3194169
0,73739353	3,88448671	8,52609742	19,5206477	106,722126	-3,8142671	-0,0355684
-1,6034096	-1,2703171	-0,3511492	1707,35559	147,779468	-2,3949447	-1,9916153
17,3557622	23,3309608	37,4674798	59,4801629	64,0037241	-2,0438554	0,89235914
52,7745311	75,0708657	44,1349967	1274,15777	825,849968	36,5541457	69,3522053
48,4241308	128,160861	78,802947	269,593323	185,726777	1,5159896	13,9634127
14,8694493	23,4532947	-0,3611211	3,62753192	7,99522397	-2,93975153	-3,0215519
227,373805	217,71062	31,9173873	76,1644516	63,517397	-0,41299514	8,85408312
131,885517	250,746204	37,7302685	238,251193	247,26214	5,45077466	20,7021454
54,0282681	137,56332	19,3590558	73,986806	143,883903	0,83457748	8,37508141
35,7497603	63,9142083	10,1182339	13,3911553	12,1073483	-3,0167534	-0,8733481
22,1385393	46,3019005	43,5183495	132,038871	49,838626	-2,4815085	2,70036764
36,1168644	59,3479494	28,9872897	28,0177983	19,1700609	-2,9787353	2,58436559
9,83359351	22,3581101	5,00690968	5,00298788	15,0684697	-3,3989096	-2,2439122
118,483995	98,1397462	14,2206238	4,70742937	0,77224183	-3,4711309	0,03848406
212,130198	215,296055	23,2433423	22,276506	53,8911232	-3,1176228	4,90977283
90,8385345	107,963491	19,5344607	19,0161406	13,195361	-3,2748042	1,33138418
140,768182	128,633544	7,59747396	30,0582109	50,0582697	-2,3058923	1,32986869
NA	256,734012	28,6111844	109,557929	113,68665	-2,5195258	9,77819401
256,734012	NA	20,7658209	88,1341533	44,6575027	-2,8917408	9,03606171

28,6111844	20,7658209	NA	28,5998449	-1,5717959	-3,2201903	-0,345818
109,557929	88,1341533	28,5998449	NA	275,822181	-2,54845846	-1,8156403
113,68665	44,6575027	-1,5717959	275,822181	NA	-2,2883307	-1,3093691
-2,5195258	-2,8917408	-3,2201903	-2,54845846	-2,2883307	NA	14,5520444
9,77819401	9,03606171	-0,345818	-1,8156403	-1,3093691	14,5520444	NA
0,23559316	-0,3255239	-4,325733	-3,7988858	-3,3216227	23,8866962	92,2995886
-0,56828105	-1,0614981	-4,3490768	-3,8967915	-3,2430718	20,3389787	94,0117845
-12,115737	-11,500963	-8,2647821	-7,3758392	-7,7404627	-16,175051	-15,136647
-12,681239	-12,421907	-8,292799	-7,5149078	-8,1060342	-17,2011	-17,216117
0,48253801	0,4749553	-4,1346677	-3,3768991	-3,5046355	29,9092485	166,944946
12,641365	11,0283104	-2,5324829	-2,8380498	-2,5541806	66,8234606	155,615032
-0,6862613	-0,5004571	-2,608445	-2,0253833	-2,1490066	39,9344828	213,517692
2,88320441	3,30896973	-2,0312224	-1,8889903	-1,3955408	59,9020258	340,543507
9,58188779	7,09525554	-1,34973489	-1,2528859	-0,558179	85,4039413	546,366945
-2,7569413	-2,9146645	-2,2542369	-1,50918283	-2,7635727	14,1383812	-0,2623248
-2,5946329	-2,4028112	-0,6812969	-1,8914634	-1,7467002	9,29180089	-3,793549
55,4925635	24,4944805	-1,56128634	-1,4105039	-1,053796	100,166078	158,672945
100,559839	60,5155067	1,01391269	-1,05099517	-0,2584135	113,456135	170,987248
11,0109002	9,00775348	-0,9235384	-1,2281298	-1,756103	85,2528316	60,781209
13,9121113	7,88688358	-1,1343246	-1,4555552	-1,78607857	72,3974651	74,9066915
4,65802158	3,27027024	-2,3394075	-1,4319367	-1,3218098	93,7158202	77,8867605
0,51380727	1,79142135	-2,1717203	-1,9070597	-1,3785078	43,860086	20,2072028
90,1199068	66,245501	19,6999457	0,76022523	4,23378045	652,2455	1400,15279
6,40709642	13,2290443	-0,02846938	0,87838382	12,1302304	1748,17691	120,943054
91,7333647	19,3676502	-1,4696881	-0,9290495	-0,6674564	40,1429981	118,714632
-7,1529909	-6,7053136	-4,0809642	-3,8216801	-4,1940118	85,6396916	-10,730625
86,9523434	106,274466	2,82452523	-1,0662573	-1,0591321	8,11522	417,093999
49,9181993	7,79277541	-1,0893642	98,612749	150,579107	74,4210311	1388,96785
26,8780925	31,536297	0,20263773	0,43122476	10,2632018	191,710532	1400,8848
171,51295	123,590085	-0,5699776	-0,5964546	3,98380498	490,709152	2148,23948
36,9177127	27,6119008	-1,1836586	1,20435349	10,4480793	257,741584	197,73979
114,921693	1723,43843	-0,693592	-0,9467705	730,35315	837,985063	7100,51631
-7,5782836	-7,0197927	-4,6083651	-4,2700395	-5,1196345	-6,7232937	-6,1476364
-10,83247	-10,497837	-6,5988384	-6,1085049	-6,5685034	-14,285313	-16,987605
19,0276084	6,81369311	9,61749757	0,18199712	1,69925618	108,143782	554,935111
31,7489163	8,69991855	4,31845547	-0,1601405	-0,19815717	7,07793682	240,27067
-1,1371583	13,3903278	-1,8110614	-0,33765475	-0,8064305	329,930789	830,060658
29,8190725	32,3691185	0,61584637	4,14272101	7,57158226	122,93836	714,530966
18,6734963	7,56353744	-0,4392575	1,19644972	1,68258912	378,351692	419,381474
431,944358	441,844845	8,92580526	9,13080669	33,282421	104,970125	1864,53908
28,0594688	16,7025258	-2,66821448	-0,04374899	1,79391606	112,86846	206,080702
38,2288785	35,6798363	-1,0767847	-2,189159	-2,285982	-1,0918534	97,0642369
98,1597212	459,413094	-0,1282297	-0,5091347	-2,641955	-0,3704771	16485,8067
24,700765	14,4741194	-0,84686555	-1,0079637	-0,2502689	78,8009783	149,808434

5,67669908	9,97896135	-1,43699797	-0,0145207	-1,3499271	376,684163	60,908397
-2,9509621	-2,0827927	-3,587296	-2,7367818	-2,87045361	101,43081	20,6796213
-3,102067	-2,46244206	-2,8791502	-2,7484386	-3,2124169	101,840901	8,90208986
23,5678318	11,8603808	-1,013398	-1,6250305	-1,523996	26,5138332	93,3626594
-8,8882688	-8,4229226	-5,7647855	-4,5041333	-4,9868959	43,9666578	-14,059883
632,11412	250,446033	-0,3478202	-0,2256861	21,7934103	322,455875	2012,9705
31,9225146	41,22917	1,37480133	4,26187885	41,5592143	115,475562	194,844338
17,1996299	11,3852441	0,49285167	0,40500248	2,17554694	67,3852257	203,257975
8,89710603	7,95324016	-1,2480649	-0,0757206	1,68107633	111,163671	288,123704
-0,2836781	-1,5045074	-2,3546153	-1,7851687	-1,183816	21,4954897	46,5134801
51,169875	55,8404286	-0,3768945	6,46897524	1,34127354	191,29434	1346,96588
6,79938662	8,07429266	-0,9525837	-1,1641487	4,75090276	20,0373303	69,1293332
66,9657649	49,8194523	2,19708219	0,94315615	20,1056483	133,784013	245,886509
7,79375029	9,17529347	-0,6146168	-1,5781671	3,90667836	11,1319233	108,009622
27,5704394	29,6647658	7,66282361	1,96397009	6,41492628	43,5418178	64,8859723
-17,144754	-15,091412	-9,9413329	-10,657656	-12,111256	-16,844886	-15,544444
101,898258	80,9468181	-0,1486947	-2,104672	-2,0690944	2,19302367	109,606324
26,0692322	36,9708846	0,13345003	-1,3313152	-0,8367319	3,87501005	91,6764857
2,77091622	4,38238225	-2,0978622	2,25373432	5,64210242	290,175925	187,971419
69,3941875	56,7874334	14,5463467	38,443511	86,3820089	6640,30224	266,617242
10,8763175	360,617014	-0,3782604	3,15766679	666,049467	333,042361	12350,7449
112,750306	329,931268	-0,9251782	44,2281859	75,7261278	1099,16762	5704,56048
70,5069158	47,6028873	4,07440046	4,12251733	9,55268286	163,327565	1000,03615
797,000982	844,491153	52,4023085	49,0782481	-0,2772548	60,0104806	783,634204
125,541457	162,924547	12,8764381	102,608657	124,610191	228,084667	2139,83836
2502,95556	1201,69528	-0,3295802	4,89109083	32,9728144	-0,9984021	2964,28767
-5,6617912	-5,5693783	-3,7902284	-3,2279803	-3,2331185	122,943509	-6,6780118
-11,021205	-10,529264	-6,7304859	-6,0813439	-6,3321331	7,88297744	-18,748382
82,4381879	50,4407705	37,7046402	-1,07310817	0,29957466	34,0413271	388,863269
22,6673505	12,8868719	172,662428	0,87020672	2,01149812	123,471116	1280,91827
5,71495549	2,90183063	307,906522	6,615492	0,96245757	103,875428	1040,01602
4,72013981	4,76656953	50,3262186	0,1382693	1,09050804	37,9664997	400,134534
0,18738891	-0,5599039	-3,3511984	-2,876189	-2,3587049	14,8938257	37,6121365
-3,2103369	-3,5569931	-3,1429917	-2,82691404	-2,693449	3,7045286	16,8508678
13,5178653	25,0248973	9,9076723	3,53097357	9,7228457	57,903489	435,135488
40,0220006	50,1402169	2,42847091	9,9630312	27,3456209	195,096006	416,761254
83,1010053	145,524393	8,51536789	26,0817589	31,814805	380,470692	932,444069
-0,7410244	92,9326229	-0,25665585	199,660363	1196,30263	12166,1484	342,092914
134,854793	86,4418167	5,67660266	1,19455112	96,0321446	340,423195	1281,11871
50,2227675	36,4894345	-0,3977056	0,27918363	13,1531013	80,9664157	287,136231
380,809256	4437,04786	-0,4126889	6,5883092	1,33541208	1484,15367	2780,01099
4806,46695	1505,47947	-0,3196733	-0,4267123	43,3061028	291,994642	4138,5898
-1,6992037	-2,2464453	-4,0177115	-3,5922205	-2,9252303	11,7989958	35,1277742
-4,4145	-3,8538633	-3,9089454	-3,1889418	-3,1013065	62,2787428	1,51513427

163,599402	63,1910153	56,6402974	305,238978	391,281963	965,110109	1307,98468
-0,9996833	38,1394091	1104,85939	8,10078178	-0,588184	417,891839	5,0325919
23,222607	20,5531961	0,07591344	0,04656403	20,0567358	97,5502943	244,918444
97,7617459	102,26643	60,3538487	13,30905	169,835127	500,767112	543,699321
262,852677	158,21	40,7243956	14392,8887	2861,70754	1736,87783	2955,29293
-0,0926872	7,53544856	101,051431	16,1072423	-1,22574388	18,0341439	60,4340243
37,7208787	30,2348659	-2,2502309	226,937603	289,263209	584,158864	1053,81561
20,3520696	24,6724061	5,54751402	34,4933719	77,1178383	404,244575	259,193694
373,514032	121,689579	-0,882384	-0,3113809	2,5289659	86,9363337	169,447125
3,96356159	6,57582673	-1,2207123	1,40659929	1,12934285	420,07498	66,2831466
5,68560155	6,24558098	-0,860848	0,76152982	0,02988743	424,293069	46,583028
-2,080438	-2,06339471	-2,9704675	-2,636495	-3,2213844	87,9823619	13,2332873
83,5955048	97,9765267	3,14081585	5,71930956	51,6801765	91,8686468	227,994054
-3,2190279	-5,5636114	-5,1659311	-4,04203832	-5,0533512	1,52399512	0,60512804
173,14516	182,264561	-0,6530421	1748,65822	1281,79091	318,101121	3642,9068
-1,3002791	-0,7002004	2168,11964	486,898563	1691,51237	392,752488	1419,37789
29,0966506	36,582277	1,42122796	3,48104547	2,66562294	72,3642766	224,405251
81,9299733	92,5074042	5,38524185	6,74389483	114,248264	101,236082	1721,32308
26,9692436	30,9028044	-1,0056467	-1,1677763	-0,5346055	82,7081621	817,853613
32,5355124	41,4374115	9,52562136	0,64653462	2,46311659	47,3106175	1193,02418
9,80162522	11,2404789	1,93778173	-1,1760573	-1,482702	75,9088991	265,606561
-9,261614	-8,8696624	-6,1288559	-4,8153822	-6,1171134	-12,624618	-12,672038
-11,181951	-10,064535	-7,0167787	-5,8730515	-6,788809	-14,058293	-14,618668
16,1570315	10,146735	-2,1968466	-2,2039484	-1,1050336	45,9740626	158,006824
11,8752163	12,766406	-1,5889606	-0,7580383	2,02841624	96,4556116	382,220143
15,6793958	19,1385815	10,5824075	17,6142139	19,7814938	67,2561884	659,363953
6,1649637	1,49843642	0,54678945	-1,5718624	-2,0531326	9,73180203	4,58087031
-1,0193445	-1,00555297	-3,1591803	-2,90259271	-2,19724273	23,1110816	40,395685
190,021275	152,833172	9,78377795	10,7311226	1,84689496	70,6289684	3814,63875
40,595355	59,5957349	4,12663759	11,8414871	28,8757458	176,594598	171,993979
250,877478	149,056714	-0,5488753	-0,1773678	-1,7282139	407,466116	1787,10565
14,8339188	7,30656504	-1,38640038	3,46201766	8,01013946	386,492142	269,822937
2,60146231	3,45606246	31,7442375	-0,027315	-0,8638845	9,85058108	15,0869141
-26,282133	-27,056025	-23,022151	-19,431212	-20,998873	-29,426822	-26,1095
-29,944646	-31,397461	-22,587174	-20,1490639	-20,685401	-28,265418	-22,843803
29,5479959	30,0692438	3,10547096	2,8465767	9,90246879	72,0197603	127,698272
2,50370818	8,15028679	0,7624132	43,6593137	27,1182508	1342,46446	356,616553
248,872379	72,4115036	6,32568519	-0,2298503	0,40399857	15,0708018	142,634705
25,759433	25,7260707	-0,9329017	-1,5003815	-0,2879605	34,4753982	172,013254
7,02771328	4,9792653	-0,1090797	6,50011149	11,646431	63,1310548	237,032504

Iso1.2559_H	Iso1.2560_H	Iso1.2561_H	Iso1.2562_H	Iso1.2563_H	Iso1.2564_H	Iso1.2565_H
-4,6553351	-4,0456459	-8,2227495	-8,6305096	-3,7357877	-2,81884827	-3,0263279
-6,1639759	-5,9785115	-10,685248	-10,870294	-5,0763718	-4,0519424	-4,5461109
3,69297455	1,20612841	-15,094883	-15,466411	17,9393793	14,7065107	2,59842368
-5,3263811	-5,4077941	-12,130445	-12,3562826	-4,5919524	2,15011165	-3,9771155
-4,7236383	-4,7040401	-8,9832327	-9,7140633	-4,397818	-3,28805608	-3,4322449
1,98535798	1,49710816	-11,949306	-12,8683128	3,26167768	15,2877198	4,74924856
-3,7299142	-3,65311973	-7,3606505	-7,38255018	-3,2510252	-2,7549423	-2,931426
-4,1604032	-4,1262058	-7,6629115	-7,4112733	-3,9634396	-2,7734511	-3,2437978
239,971356	220,415566	-3,4531641	-6,3797187	135,24554	343,44362	306,586383
-4,0661328	-4,08743139	-10,116483	-10,894749	-3,1953751	4,39968107	-2,5365809
104,081657	93,6312564	-12,262	-14,90313	88,970644	281,037426	98,9615936
595,299146	614,462713	26,6006304	19,9364549	435,011608	921,075604	885,582838
-4,8549214	-5,0177513	-7,9860844	-8,462181	-3,9651595	-1,83937591	-3,7587821
18,3631436	16,3018798	-14,711847	-15,872166	8,8882676	50,3341423	12,8064161
-4,4627208	-4,9282553	-7,5985039	-7,8383643	-4,2371446	-2,7357172	-3,5170929
5,70523953	4,53479262	-13,427165	-15,228779	8,75890777	47,6821555	4,16662888
-4,3878168	-4,3161568	-8,1612629	-8,8637196	-3,6481883	-1,95772714	-3,7393054
0,24744825	-0,1082834	-11,412721	-12,226867	1,45213755	8,92817994	5,19371992
14,3380664	14,1870421	-12,99379	-14,126288	12,3860805	36,9978081	19,5176273
-4,8102184	-4,9195805	-8,3722093	-8,7513904	-3,5313116	-0,361029	-3,5350649
233,714228	233,860206	-2,3045649	-5,4182416	182,260319	430,625657	263,457766
6,27990078	5,06801688	-10,714314	-11,968203	-0,9692267	16,9415298	3,91552335
-3,6549445	-3,5269432	-7,3883473	-7,5735258	-3,351778	-2,7544638	-1,8319191
-4,1793144	-3,8347588	-8,3726272	-9,0614036	-3,5814819	-2,7201685	-3,2250949
-4,1494186	-4,8012175	-10,493163	-11,049028	-3,5946801	-1,8438488	-3,5898994
-3,4091877	-3,6062231	-7,2439025	-7,3138381	-3,4823003	-2,9061061	-2,3515214
-2,1702081	-2,5738263	-8,76225539	-9,5394685	-2,5243161	1,26314732	-3,163681
70,1512781	67,8105181	-12,56852	-13,996496	26,4503948	67,9038112	121,79308
1,28327241	-0,2300638	-14,32075	-14,6570118	0,83520598	13,8056231	1,02116533
-3,9714504	-3,8871966	-7,738955	-7,8627695	-3,47722653	-1,3339726	-2,5643101
1,24747426	0,42403832	-12,4835525	-12,505531	-0,177064	15,7344347	-0,8844641
6,82232635	4,99055635	-13,964251	-15,033757	3,48397374	25,342711	5,05025725
0,34628187	-0,89786532	-13,309487	-14,126693	-0,6601172	12,0234416	-1,047088
-4,6900384	-4,821235	-9,4708635	-9,388505	-3,0310709	-0,5136278	-3,7370292
-3,0373744	-3,5983498	-11,802903	-12,242875	-2,4823856	4,32551333	-2,5963393
-2,4401838	-3,14864676	-10,241813	-10,696335	-2,6818978	1,92903291	-2,3122665
-4,622492	-4,6836226	-9,1657292	-9,6755349	-3,8800444	-1,9609917	-3,7800346
-4,6633707	-4,7178135	-9,6470552	-9,7161295	-2,4778037	1,13046854	-3,9599332
-2,2413588	-2,5718864	-10,71981	-10,9806964	-0,9203677	8,30554574	-3,8816946
-3,8895288	-3,8372192	-9,8571809	-10,497132	-2,4481687	2,43972559	-3,7046675
-2,882302	-3,4259713	-11,441986	-12,339773	-2,5300306	7,26012299	-3,3716134
0,23559316	-0,56828105	-12,115737	-12,681239	0,48253801	12,641365	-0,6862613
-0,3255239	-1,0614981	-11,500963	-12,421907	0,4749553	11,0283104	-0,5004571

-4,325733	-4,3490768	-8,2647821	-8,292799	-4,1346677	-2,5324829	-2,608445
-3,7988858	-3,8967915	-7,3758392	-7,5149078	-3,3768991	-2,8380498	-2,0253833
-3,3216227	-3,2430718	-7,7404627	-8,1060342	-3,5046355	-2,5541806	-2,1490066
23,8866962	20,3389787	-16,175051	-17,2011	29,9092485	66,8234606	39,9344828
92,2995886	94,0117845	-15,136647	-17,216117	166,944946	155,615032	213,517692
NA	411,908249	4,95714252	1,09911416	211,362076	337,156223	612,921763
411,908249	NA	7,36377363	3,26535932	215,070239	316,230644	613,10959
4,95714252	7,36377363	NA	134,834555	214,56742	193,521634	549,066864
1,09911416	3,26535932	134,834555	NA	254,762069	219,567704	640,650628
211,362076	215,070239	214,56742	254,762069	NA	172,121573	318,975611
337,156223	316,230644	193,521634	219,567704	172,121573	NA	140,330903
612,921763	613,10959	549,066864	640,650628	318,975611	140,330903	NA
885,186241	976,166326	866,993802	1021,96739	568,805084	251,767915	644,443413
987,546278	917,39319	1234,82302	1265,62033	1022,81014	292,248486	502,167981
3,28513615	4,6258755	262,570178	310,897666	5,4910378	-0,810467	-5,3774692
25,5212993	26,1196668	517,91689	598,868891	5,85334509	5,29942976	-1,2326951
645,96802	548,700972	971,885495	1137,44851	296,727306	166,525016	186,254782
710,418847	607,694023	818,366962	891,746496	245,549239	194,734905	119,590584
279,747233	258,752105	910,721827	796,37232	134,37622	67,135914	74,8662135
341,523794	261,607101	1229,58275	1391,84878	170,832545	57,4026917	90,1547545
642,429001	622,692378	2133,37121	2256,26936	286,340305	69,5259931	213,971336
497,416179	510,401434	1761,46481	1960,51126	173,7294	24,4300083	141,448501
2929,1138	2910,45041	3351,86808	3875,27962	1129,4594	712,078498	990,687297
585,141185	589,041786	593,889548	747,681925	661,944785	388,060609	210,30972
186,035271	197,665168	468,18416	565,721376	148,431754	111,584151	55,0641536
-4,0008131	-5,74453712	-5,34545433	-0,5309204	-6,2239223	-5,4104512	-8,3525576
117,27875	125,67547	8,4356622	11,476649	326,822983	117,2895	23,286859
925,153614	834,638282	723,805649	853,578773	387,58697	214,700777	364,787657
896,544847	740,341638	643,596952	761,46692	675,068648	454,985095	405,943602
5465,20164	4950,78139	3736,67623	4186,77648	2183,63949	1570,91773	3706,48975
371,078275	334,225704	300,573416	384,712993	153,987818	123,129635	63,0341235
5728,38774	8070,0938	396,615338	1557,72285	3189,32127	2042,41679	2649,09684
6,46488552	7,40260533	209,873761	235,266098	-2,7858883	-6,4978184	-5,6592212
-13,786648	-11,350297	58,9679339	67,2582875	-14,074531	-15,071837	-13,016726
572,19153	548,087066	515,924746	626,848546	239,940189	348,691053	170,678599
99,1704366	98,4462428	225,883324	286,68814	192,713475	80,6057173	25,4074191
3968,69272	4493,96652	6190,04676	6553,25228	4458,96671	1113,51901	3119,18352
1429,58197	1296,92312	904,467702	1172,72435	598,204045	335,998813	921,865297
1678,21846	1607,22232	1933,55213	2214,22647	1527,25001	350,357208	924,678166
2814,97508	2745,35593	1121,38131	1579,01154	1092,10376	933,100542	799,430277
321,803219	278,744754	349,235726	430,751634	141,846081	93,2850738	57,3537661
19,5664295	12,6989472	-6,8798767	-6,1835048	80,5353856	22,9698491	-0,0146133
27731,6342	26023,4498	16218,3182	26280,8344	9791,51454	19815,5975	18065,0438
221,630824	224,221373	249,442475	276,802832	143,322036	80,0115316	75,4413941

172,678093	137,891707	134,542544	168,962861	144,568741	106,22964	60,1125855
86,7669143	65,2774617	66,0992524	84,7528567	45,9602602	27,7279312	28,0134596
58,4658066	53,6523433	58,7606697	74,8566827	37,7958566	25,1320933	17,957822
102,887671	77,0712814	41,172022	50,7957945	91,2530402	62,3156508	15,68895
-11,739398	-13,424185	-12,774322	-9,4946052	-12,204251	-10,783455	-12,694779
2527,20234	2690,92144	2612,54129	2153,05369	1338,299	870,912803	459,453301
597,377371	451,898384	217,194091	277,284319	129,98429	255,482762	47,5092326
634,750248	630,718979	966,513052	1076,25343	206,720594	142,601575	262,468462
670,990547	625,482465	903,974096	1020,17651	239,204381	133,671254	298,968154
118,421364	107,745992	178,83747	213,869179	43,524478	20,5342744	37,3723255
3856,43876	3365,94192	5375,2977	5102,46287	1047,2435	377,849389	1840,5071
106,230408	85,0027743	4,77248906	6,86170624	50,7791344	87,7564724	1,26102434
1336,13021	1303,81241	2072,00313	2355,68052	323,449785	363,257775	216,051018
107,009163	88,4450574	13,1244887	19,3963643	86,6610962	48,059453	1,82087692
235,161224	257,559891	417,994892	465,99815	50,2142727	100,922103	35,8752178
-19,38563	-19,061827	-3,5141674	-1,136648	-15,819008	-18,757473	-18,065198
47,7249988	46,448215	-1,0654608	-2,0453439	88,9067699	76,4231626	3,58452631
40,3367536	40,0659028	-2,5705119	1,27502698	67,9115489	41,5414037	2,28535165
344,868252	260,655536	216,996657	280,93875	141,402508	94,2759316	212,167815
1045,48857	635,268609	1018,28561	1300,45206	3144,20129	1370,83496	36,5455387
8042,01586	4946,64685	6653,98321	6581,5816	3060,4511	2874,5191	11390,6292
10973,0642	10193,2464	4152,26045	4795,12534	1722,82627	1804,21578	5807,01261
1303,72163	1265,16796	1018,03126	1391,27655	874,965874	448,636533	223,527801
1451,0124	288,010434	961,603471	597,243486	529,466158	486,151142	277,173244
1939,79059	1612,88831	1709,30485	1661,56145	351,397377	828,43055	1706,11104
3061,21392	5161,19441	3643,78624	4364,16856	2688,16712	987,080865	313,146828
2,86551906	1,16351009	15,5748563	22,4104967	-0,207658	-3,0129309	-6,4911202
-19,909412	-18,471611	-20,273836	-18,806202	-17,1656606	-15,853854	-16,455615
194,602754	211,22121	89,1423106	111,167136	98,5078991	155,578794	24,1782253
485,728248	476,846944	401,631352	538,166428	142,884483	214,088653	67,8314902
264,449335	268,05979	317,938333	453,764523	114,011884	240,509398	76,8613516
119,599971	129,880433	135,967944	186,62524	67,0645482	120,280358	29,0274978
69,7522829	61,3335821	15,9304139	21,8234071	19,9657932	36,5472744	-3,1234064
191,125916	220,316584	576,560555	642,907616	80,5926042	9,93863977	51,0522382
363,93313	279,501054	69,9898404	87,3914121	368,906435	155,23468	20,8531311
921,434023	743,67037	222,503338	252,195953	299,014627	338,904524	90,5537113
2221,14326	1541,44287	1358,22053	1770,05161	467,573994	682,121387	686,817738
64,6101282	714,802002	2645,2417	2409,2888	5465,41682	1076,08458	100,126017
3264,93403	3302,78651	2124,4396	2481,83753	427,239333	675,398484	267,554096
757,818889	679,571708	400,804436	433,79617	73,491755	160,028489	126,475415
12200,1725	16109,9858	17572,5476	17133,3739	2922,16356	3756,23073	-3,4069716
6304,77924	5287,84764	6456,88893	6314,17974	4207,46512	2022,59768	342,652385
79,1386101	68,0825079	32,5252239	41,4122407	21,8727391	22,9464745	8,82312433
27,4351656	23,9326899	33,7367245	47,8730729	17,3771711	12,4607149	2,42256182

1082,96364	1633,06674	703,206042	715,081988	768,041876	512,093359	292,02194
491,117139	305,495363	503,711712	762,078373	227,565119	127,618329	4,98477389
473,032838	363,504131	142,195818	151,252289	138,068535	115,345731	24,7824008
2723,9971	2663,35246	1643,13435	2213,95778	1109,9553	932,958769	789,194243
5301,51025	4055,69978	3663,66775	4361,87032	1027,41706	1482,95941	1117,31955
28,2887105	16,5027875	82,851027	91,6973896	85,1268742	44,642791	-2,719755
669,16294	522,990944	379,368233	463,821046	177,056298	84,2907488	176,659618
418,264431	460,026044	239,418416	311,700153	138,436312	95,8736846	71,5567004
138,726682	103,590945	5,88693002	6,10764903	216,100922	257,23736	39,0509863
337,289196	276,192403	198,372404	272,704349	219,222605	186,69216	119,21257
234,832005	199,420942	153,186674	217,439307	206,420878	167,008686	73,0443802
74,5326163	67,6171277	87,7876697	106,537983	43,483706	27,2769781	21,9389136
636,064813	594,398604	197,868728	268,201266	92,3790607	261,740534	20,4162409
58,9839221	65,486207	252,598534	288,81542	24,6766892	1,39435941	5,29274212
597,453695	408,885412	-10,190558	180,262348	783,880677	725,694443	294,167258
1292,90647	971,180957	550,608507	633,366803	524,265991	221,694613	522,583011
215,586516	271,22571	59,6901738	92,8701868	161,049271	122,443083	14,664114
731,121687	793,427684	285,533091	347,690005	973,636348	270,977245	93,004782
332,445516	244,481299	225,426029	252,509562	1132,59493	139,903527	123,615528
498,99136	534,544671	310,25547	357,916564	681,900084	234,426952	228,932443
586,965874	622,377009	1356,00464	1506,69677	236,361869	96,3824737	261,954382
15,4740791	21,1226178	297,203656	298,606889	-5,6873007	-11,866024	-1,8368717
9,10386548	13,9652851	246,815578	258,40132	-7,3875216	-13,657537	-4,37988
432,72589	413,982254	252,434126	295,076889	170,143455	106,703501	162,91285
1404,06282	1386,26984	1034,68721	1164,72662	394,299264	354,540744	622,099912
568,186116	279,572277	161,974047	238,29182	289,376334	237,942808	199,206684
52,5651006	59,5529041	80,0787223	91,8611349	9,61244334	135,380427	-2,21365383
100,694942	75,1268892	32,2720968	47,8490977	26,7888428	32,9191698	8,57006195
1128,32457	1311,28072	566,949242	529,662519	3330,05367	520,375351	361,963868
969,893045	907,134162	767,564139	932,876622	139,086573	457,871403	81,8738913
2321,34645	1773,61357	346,098517	391,059037	583,253633	968,071578	341,404923
497,093506	449,717212	365,447254	473,428669	182,115886	137,784969	208,358534
21,6907601	20,1345296	82,4380943	116,5219	15,080105	11,8113898	-0,9947486
-26,258675	-28,18313	-15,650509	-14,767605	-27,77899	-28,6732428	-28,882973
-30,450204	-28,076154	-10,766593	-5,2459696	-27,202562	-30,755697	-27,6289993
278,005575	228,945706	75,927809	95,602671	79,1410338	76,5682556	29,7766227
333,139071	281,698396	448,402421	578,957737	569,748276	140,226668	126,265701
138,682474	60,9075065	9,10373583	16,5192609	183,044594	189,929472	14,6692806
496,318048	490,206916	397,989794	515,389216	162,884097	130,431974	132,224488
632,121222	594,841951	793,897698	793,410175	258,579068	141,586081	341,158731

Iso1.2566_H	Iso1.2567_H	Iso1.2569_st	Iso1.2570_ca	Iso1.2571_D	Iso1.2572_di	Iso1.2573_G
-1,9091282	-0,845968	-2,4527477	-1,367375	-1,72943	-1,1354205	-1,3108985
-2,8568047	-1,3900055	-3,0239889	0,92268519	-1,4739648	2,16536108	-1,3487819
11,6505119	14,1838544	2,48598109	-4,7177821	44,6493951	44,330092	30,2566816
-1,7168216	1,03320536	-3,54727939	29,4052247	39,6491598	47,216725	4,46957259
-2,92032982	-1,5502297	-2,5857837	-1,9415209	0,25695048	0,28085291	-1,0039747
13,7678548	17,2138123	0,21478282	25,3576945	127,65458	151,677705	23,7020706
-2,3869657	-1,1990582	-1,9623936	-2,51252051	-0,7809837	-1,3669519	-1,3038046
-2,483248	-1,3703478	-2,9091045	1,47367229	1,57289558	0,68592563	-2,5379201
492,175045	454,414108	18,5581511	109,285774	1090,5929	1227,58835	266,576976
-0,47065095	4,58992363	-3,4401426	14,7361383	55,7306254	48,31474	5,03979557
131,285182	271,271161	55,6331782	174,865394	874,641677	1331,02108	294,376001
1382,60237	1519,42772	204,738145	427,504293	2436,27572	2771,31317	992,390638
-2,4363053	-1,2271288	-2,5522855	5,3389158	23,1536745	20,5097103	-0,5792784
23,5098392	40,5281296	2,34898769	44,5860968	272,159218	311,921965	50,2804092
-2,85451572	-1,9806943	-2,6085484	7,64165443	6,97006445	9,1869857	-1,7774165
10,4478506	17,1876737	4,8312885	33,6221292	325,54865	301,508969	46,99981
-2,6285186	-0,2482402	-2,7751434	5,57256082	35,8057663	22,147196	-0,4766979
13,0753195	11,1891121	-3,18667873	6,91040406	99,8245518	96,8169304	11,9492705
26,0900445	40,553548	10,0030208	160,911114	253,003523	146,612578	54,9026424
-3,1604004	-1,3365904	-2,9091427	10,4849387	24,1581395	24,4811477	-0,7507519
444,6201	509,996707	122,610107	296,922938	1485,2624	1862,40229	419,041114
10,0951206	15,0824134	-1,661154	-0,5406132	33,8012376	74,7984523	21,9833532
-1,9106756	-0,8944373	-2,1265118	-2,083952	-1,1897099	-1,3536373	-1,128693
-2,3257428	-1,1500188	-2,7178529	-2,02287257	0,12812275	0,73877051	0,07802119
-2,3518596	1,87999942	-2,95518012	-1,9660086	1,26222188	6,58855451	1,19779326
-1,883605	-1,2438902	-1,9644533	-2,0848372	-1,3060412	-1,2952788	-1,4697571
-2,4589693	1,26094674	-2,4785958	-2,1479514	6,01157046	13,9064868	0,82821326
168,421959	122,569386	-3,5106749	11,9490605	101,22007	118,166453	42,2594521
9,43540926	14,41585	1,80890886	-2,3332164	21,7674917	49,9733378	19,5838083
-1,6689621	0,6709009	-2,6010126	-1,7124463	2,21100604	4,63965792	0,1789631
3,03089081	13,8159804	-3,6085426	-2,2042716	39,4600985	84,7935486	16,5343316
14,2939068	22,0862545	-1,8496336	-0,4963826	35,5843456	71,0724155	24,3291248
4,70790036	12,7099527	-2,1872563	-1,6144701	12,3850095	35,6765784	14,0902755
-2,6697713	1,56284324	-2,6538438	-2,3509	4,51676308	12,3947473	2,56922897
0,73852453	6,07931359	1,06437451	-1,9868815	14,756495	24,6094	10,6680646
0,3011487	0,52942302	-2,4541901	-2,4577879	11,427263	31,182958	8,81816
-2,3850212	0,77505562	-1,77784	-2,5033198	2,28711504	8,691818	3,11338233
-3,2143448	0,57415706	-3,0919208	-2,3641854	29,7205443	37,5501977	5,63643518
-1,8345555	5,3375783	-3,0055774	-2,792897	46,7093676	88,4168034	14,8774569
-2,276429	-0,0770821	-3,2026157	-3,1450905	17,6562821	32,963486	7,7714114
-1,48908434	3,85157958	-4,3954394	13,8433743	84,1825384	67,7644762	12,80604
2,88320441	9,58188779	-2,7569413	-2,5946329	55,4925635	100,559839	11,0109002
3,30896973	7,09525554	-2,9146645	-2,4028112	24,4944805	60,5155067	9,00775348

-2,0312224	-1,34973489	-2,2542369	-0,6812969	-1,56128634	1,01391269	-0,9235384
-1,8889903	-1,2528859	-1,50918283	-1,8914634	-1,4105039	-1,05099517	-1,2281298
-1,3955408	-0,558179	-2,7635727	-1,7467002	-1,053796	-0,2584135	-1,756103
59,9020258	85,4039413	14,1383812	9,29180089	100,166078	113,456135	85,2528316
340,543507	546,366945	-0,2623248	-3,793549	158,672945	170,987248	60,781209
885,186241	987,546278	3,28513615	25,5212993	645,96802	710,418847	279,747233
976,166326	917,39319	4,6258755	26,1196668	548,700972	607,694023	258,752105
866,993802	1234,82302	262,570178	517,91689	971,885495	818,366962	910,721827
1021,96739	1265,62033	310,897666	598,868891	1137,44851	891,746496	796,37232
568,805084	1022,81014	5,4910378	5,85334509	296,727306	245,549239	134,37622
251,767915	292,248486	-0,810467	5,29942976	166,525016	194,734905	67,135914
644,443413	502,167981	-5,3774692	-1,2326951	186,254782	119,590584	74,8662135
NA	452,034033	-6,4600774	-4,0700866	81,5428429	62,9076309	32,7098571
452,034033	NA	-3,15822385	-3,3244342	11,0584181	9,41566901	7,91522877
-6,4600774	-3,15822385	NA	8,57606225	10,520709	23,4790175	26,4476134
-4,0700866	-3,3244342	8,57606225	NA	11,0972412	19,3720024	7,94615501
81,5428429	11,0584181	10,520709	11,0972412	NA	216,164753	100,375466
62,9076309	9,41566901	23,4790175	19,3720024	216,164753	NA	183,623063
32,7098571	7,91522877	26,4476134	7,94615501	100,375466	183,623063	NA
34,282535	6,57692617	22,7121901	13,2212068	89,4497553	129,237272	160,143256
99,9116347	19,8439836	23,3109234	28,9583174	123,900264	132,522333	162,799264
21,3537957	5,29063278	7,38889353	56,8687396	50,8714004	32,4329435	59,8429974
581,607854	34,1407939	0,83600995	6,75486025	73,2648904	56,1548718	63,3312327
111,628451	16,1776847	-0,0208846	5,95000737	14,7050905	9,51726447	16,7040695
27,266188	3,70581443	8,19515375	53,0695893	63,5563629	35,9434483	9,1702541
-10,011047	-6,4573897	-9,4819801	-10,271918	-8,5532708	-7,9564924	-9,0447153
7,75485263	3,99211034	-0,97323378	-1,5904382	13,5681632	18,0591848	6,4243914
75,4771682	41,1530708	-1,5539572	-2,4660498	17,9499941	13,9157451	4,2826937
271,663324	29,4946541	-2,4155623	0,50179525	7,43102837	22,6791899	11,3086362
2252,13722	117,018113	-2,0582703	-2,0438007	123,626383	28,1079909	45,6136155
34,8275357	4,89385533	-3,6770857	-1,4530496	10,6130159	7,02333372	5,63068932
732,619712	317,783899	-0,7597675	-0,6191881	109,478614	435,899171	-0,8147775
-7,8254298	-6,8569427	-11,757043	-9,309032	-8,3751576	-8,2189382	-9,0049724
-14,701657	-9,9058767	-14,9800373	-4,67606737	-12,772628	-11,573317	-13,4196882
119,223751	18,2102715	-1,0182928	-0,82538051	5,61757072	2,30221049	3,03139531
11,0030678	3,55753001	11,3457261	35,5476128	7,73773587	17,785383	13,2917725
2353,58268	808,780061	-1,9182325	9,12699885	170,031847	41,8089075	118,167561
610,956287	40,3873859	-2,5166683	-3,441153	26,2568455	12,4638155	7,54031728
424,170449	143,32923	2,1189642	10,6118201	48,4284955	15,4298657	30,1594135
417,682947	35,5213888	20,168426	-1,31416	285,269064	152,961001	5,77519749
39,5566126	8,29728905	-3,3818264	-6,7464904	4,42109194	4,42687173	2,45334297
-4,0855497	-3,2330613	-4,8453257	-5,0356906	9,24158884	11,193942	-0,46383647
18487,6603	-0,8082474	-0,5167717	-0,9924073	502,262483	-0,31063208	-0,719271
38,4083355	4,76636341	-0,5019434	0,01951612	7,4702676	9,24952153	5,21637959

33,8280616	1,36710856	-2,9663437	17,4895284	2,17677446	1,72810857	3,97775753
12,9218135	-2,6308357	-7,5624456	-5,7413325	-3,0830432	-3,3102762	-2,8683557
8,02129192	-2,6366717	-7,2131171	-5,2863191	-3,5664688	-3,9412798	-3,2706589
13,5326663	-0,7986092	-2,3455134	5,016242	14,0421641	11,6752258	1,06002462
-11,969866	-7,1737667	-11,922647	-12,355246	-9,9826335	-10,331541	-11,544874
155,928164	-0,5837889	-1,1261901	291,561772	331,01455	351,655902	106,09636
28,2473561	3,77120153	-3,0455222	1,80633402	4,69207412	11,9631711	5,66883947
172,065948	14,3151757	6,00408129	1,05907809	22,4783365	3,78960984	12,1971681
166,553122	15,8256457	3,86173218	-0,9187145	13,2596503	5,4114632	16,3344349
18,1474929	-0,2117941	-4,7005609	-4,9038002	-1,2272235	-1,8634001	-0,822746
925,12174	63,6136547	-1,401196	-1,5785432	86,4482615	-0,6795339	80,8411319
-3,7989321	-1,5995028	-2,6601787	6,79422145	-2,1046051	3,74841315	-2,3144864
140,777157	32,217031	1,96274645	69,171506	19,5264576	57,8453184	11,1223826
-2,9351361	-2,3165839	-4,826723	-0,780896	-2,8984308	2,78209628	-1,8210515
8,25407991	1,11105898	-2,9328325	19,1010626	2,31670935	7,69284476	-1,4696469
-15,623265	-14,340097	-16,152662	-17,773288	-16,675537	-17,226059	-14,0066949
-0,1032507	-1,2954269	-5,4639555	-2,7905542	22,6003499	24,5302295	2,24218178
-1,1666604	-2,3525937	-3,1502679	-4,9673124	4,78760804	10,1425432	2,11608933
79,2891911	3,30292892	-4,1665241	2,88933748	-0,94471663	-1,4740661	-1,646987
22,0597532	10,4634148	-1,4998531	-1,0335342	-0,9296413	-1,12201412	-1,3123134
3672,9054	436,601362	-1,8372128	-1,1229535	71,5336822	48,8469215	131,839272
3553,68828	93,1535125	-1,52921964	-1,4243957	18,0142281	-0,9143092	-1,1034951
231,334774	14,2647942	24,9269207	7,22423623	7,28734167	119,566096	22,9302731
106,293834	115,59457	-1,6049717	13,7195068	220,826935	308,702891	37,7367514
482,769226	29,411376	-1,1564348	65,7713947	24,4795399	103,862145	93,9119456
157,283203	90,9442521	-0,89488433	134,584333	813,604836	553,051262	184,30822
-7,7299276	-5,2477329	-8,0575647	-8,4985627	-7,0173597	-6,5120198	-7,5411624
-15,240675	-9,1897848	-15,822272	-15,284454	-13,756961	-11,846917	-15,065718
12,8089493	1,25357416	-2,6593513	-2,4795439	17,2207008	25,1601386	3,58123847
46,2133214	2,90646319	1,44013669	4,7948649	1,23632401	14,4941696	7,18480188
34,3489972	1,54091098	5,6748144	33,4751223	2,45655934	18,4473065	13,0570897
13,6086511	0,36317576	-2,7707241	1,32324329	0,61487054	3,9545844	4,37770147
-5,6454986	-4,3315224	-9,56182875	-7,6676156	-5,1480621	-2,8898957	-5,841783
15,4815456	3,20367444	-7,9991583	0,37475038	-2,6270727	-2,1706003	-2,8263901
42,4035585	2,20870019	-2,9061462	1,79107301	9,71236519	12,6106055	11,6092893
55,8007173	6,78926152	1,69802983	3,45642753	3,12228572	24,3525907	10,8613435
293,285574	115,295043	18,3739578	30,4696131	63,4220043	16,19218	7,20454386
49,0244817	-0,6899311	-1,1717645	-1,0437106	-0,7856874	-2,0845469	79,1439791
595,237592	63,434181	-1,9389577	-1,5063306	25,6793507	42,0561978	35,1391326
88,0868989	8,45536063	-2,2553922	-2,1303863	17,2392033	22,8036867	15,8009728
-2,0136387	-0,7833101	-1,3849142	212,297135	-1,1724811	-0,8631066	-0,9342137
190,473602	-0,92765061	-1,5569608	-0,82654214	444,610726	626,138168	-0,608925
2,96661034	-4,6319606	-10,86362	-9,97529437	-6,3355076	-4,4234032	-6,0210561
-1,0438347	-4,8462515	-8,9355576	-7,5388301	-6,351124	-5,7326587	-6,6610573

62,6698363	67,1236408	44,6038306	73,8714208	50,5721804	27,6455385	58,4160708
14,8288982	-0,7609517	-1,485505	565,481038	-0,86726703	-1,50281655	-1,7328631
8,08424291	1,44136309	3,08234267	5,50378538	3,08829417	14,5616563	9,46426472
727,134412	143,296494	-1,5175503	111,958539	-1,285599	33,4876088	-0,9927354
552,115784	125,271061	-1,5199733	82,9400441	101,852311	73,6706232	38,7167081
-3,46804018	-1,9479768	-3,6827544	51,0811142	-2,8293319	4,57431787	3,5351323
81,4601842	-4,8497657	-7,2374647	-9,8151942	17,6977121	1,61899562	1,59071348
35,5717653	1,09572755	-3,2136073	0,66305754	2,94040209	7,12964479	4,13004606
14,4106979	13,1794764	-2,0859266	470,723476	435,330447	224,264435	-1,6011538
61,528332	1,51579465	-3,1911221	3,13641769	1,05517906	-0,35872639	0,17795047
40,1025357	1,92523683	-2,756273	5,20723096	2,57091237	0,77865201	1,58857011
10,713531	-2,28274267	-7,7530477	-5,5806429	-3,5017091	-4,477877	-4,4408118
17,3366531	1,79916585	-3,1470116	3,83691452	10,8405818	24,4086569	12,2620359
-3,3952553	-5,2479432	-10,213682	-10,189276	2,51708939	1,02749405	5,81238113
86,3940445	29,903627	-2,1942002	-4,41617883	-3,026341	80,4518171	-2,5482923
445,470276	-0,7137195	-0,7579112	45,7300553	-0,9846558	-0,75879201	-1,2467538
17,8542855	0,43992602	3,62561409	1,60386431	12,6723187	7,14962777	13,333128
79,6653519	2,08925823	-2,20299545	12,8181051	3,02912836	15,9277152	13,1060455
88,1275	15,997214	-4,05550819	-3,6089907	4,56655042	6,7993818	0,59723163
135,809587	20,2537099	-3,98767874	-1,9981143	8,91526646	5,85272681	0,93452176
112,266019	172,776275	-2,31379568	27,6917113	5,48835543	3,67166526	2,70263301
-6,7809863	-7,4696492	-14,731068	-10,787686	-10,082852	-9,6893031	-11,545135
-8,5125165	-7,7987855	-17,0117168	-13,432143	-12,330351	-10,558277	-12,318176
99,7647026	6,05643591	-7,676859	-7,5265781	7,01992902	5,50187563	2,58790025
456,736456	26,1058376	-5,6330265	-4,5612108	18,6516912	6,78350588	7,41997724
151,177768	5,51125493	2,84947362	5,59620164	18,8180982	8,11734858	2,52215165
-4,62809408	-2,7442861	-3,9694074	25,8631603	-2,9796037	-1,7587816	-4,4779763
1,2674976	-4,3624658	-8,8528782	-8,20895537	-5,2465068	-3,7883502	-5,3303197
263,035144	53,1374699	5,0132959	75,2417927	37,7692487	58,1863341	15,9288357
39,9034163	4,90041204	-1,1489262	34,6148507	14,7276374	8,38714768	5,70529811
132,80826	5,1288122	-1,104069	-0,9417126	107,201376	36,202379	21,1535557
138,733046	5,39261728	6,85314568	4,76501503	0,51915105	-1,6895476	2,37044295
-4,8392526	-1,7239014	-0,4553953	23,6111772	-1,4186811	3,89844527	3,69158717
-27,6136953	-25,729656	-27,0917	-29,818814	-26,853367	-28,8975494	-24,467379
-29,340491	-25,91952	-26,50315	-27,9984889	-28,562012	-26,991106	-29,206363
12,933332	5,34418066	-3,4711584	30,0394202	1,10379751	17,2232426	10,1783633
43,3458355	7,04825218	-0,9212201	-2,2577682	7,74568894	2,03735572	7,96811206
6,46909983	-1,1650833	-0,03067	151,551811	514,84177	210,662865	41,747464
73,8402288	8,59708764	-6,0937767	2,90690841	2,00890037	6,80279034	-1,1113683
208,446659	14,4036382	-3,3185802	-1,4058975	9,25870558	5,15221345	7,57232667

Iso1.2575_h	Iso1.2576_j	Iso1.2577_s	Iso1.2585_E	Iso1.2602_m	Iso1.2603_E	Iso1.27_SuH
-1,9042606	-1,9469249	-2,123283	16,3184975	-0,518129	-1,754073	-4,8925987
-2,8170189	-2,269275	-2,7537323	7,81309347	-0,5502294	0,05196771	-5,58349798
8,28154107	-1,78637801	-4,7231911	353,643434	65,7308607	28,327727	-8,0515985
7,26637648	0,59267373	-3,1871001	26,1912592	10,3149045	189,866914	-6,6535697
-1,7358213	-1,80463061	-2,7514571	1,81218011	1,6767896	0,65513574	-5,1077393
24,0810321	6,12833888	-1,9022446	65,3078056	33,4402252	241,904553	-7,83617652
-1,4315404	-1,28326016	-1,4740168	4,38994718	32,4038455	-0,7386567	-3,596599
-2,2759603	-1,9388618	-0,8368961	0,7294045	-0,9879956	12,1578448	-4,197868
420,344187	480,421217	340,464501	2372,73007	467,351755	1541,2951	-3,8422354
9,62066592	9,66498615	5,75451718	24,8833818	5,42408406	196,005456	-6,2708783
393,027647	317,227974	234,209045	1279,94225	348,048803	1434,10777	2,21418837
1370,07459	1439,01181	1098,54463	7451,12987	2215,43694	2810,11616	85,2703398
-0,4309182	0,02548741	-0,9439647	6,18450124	0,39833097	96,4431335	-4,9741732
75,0168299	31,4540847	20,4093433	275,118037	68,4883198	535,511749	-6,370172
0,10983384	-1,9005469	-0,8435724	-1,4927669	-1,2669693	64,384792	-4,4692658
55,1405414	40,8568054	30,4977214	162,180486	36,3836168	752,073297	-8,42559
1,41602147	-1,4237916	-1,3424385	-0,9942608	-0,9945433	102,618075	-5,1694181
19,5253135	12,5455979	6,11418771	44,4000882	6,54143581	177,9744	-7,7549521
77,9579615	72,8506978	86,4487557	221,724156	69,9365429	671,486471	-8,47051
4,41051973	-0,9018548	-1,6568926	6,75585215	0,26978354	109,153626	-5,5296072
722,681541	614,790369	412,323036	2447,84588	650,43213	2035,84061	23,6828012
20,6162905	15,7930115	5,39990382	176,897415	67,3588247	24,9963775	-6,4259282
-1,2118103	-1,7753485	-1,9508866	1,45593632	0,28799972	0,00229177	-4,1100608
-1,4853389	-0,6154464	-2,4416631	21,2803493	2,00266388	0,10221852	-4,975442
0,6584381	0,78088795	-2,3702397	34,5909008	6,47163735	4,68401595	-6,3518278
-1,7575922	-1,77930762	-1,9615582	2,51882043	-0,4449343	-0,97849094	-3,7537754
1,76405643	-0,2090625	-1,32997	39,9182851	5,3655092	10,6740301	-5,3214914
44,6540183	70,7920929	47,747665	779,24191	376,076127	47,7811687	-8,4160498
13,9376212	10,9805341	0,60972458	129,728807	66,2437439	19,4817085	-7,814535
-1,15806196	-1,7083498	-1,12631513	10,3986333	1,02195475	5,64780489	-4,3592692
19,9470472	10,3521368	3,40624585	113,288787	47,1765649	65,093011	-7,5625162
23,5760633	6,92481631	0,78432423	221,520866	100,905739	31,764757	-7,1141747
8,78647924	5,46105018	-1,7185959	130,819841	60,8950081	17,2424587	-7,6722369
1,15236167	-0,15112732	-2,2815602	18,9866973	4,97808036	5,30204654	-5,3412652
4,59135022	0,66136571	-2,7817058	65,7412669	11,0149129	9,84326132	-7,1750721
2,57805019	0,21895909	-0,9111318	32,2159545	6,40788397	8,8500867	-6,3876358
1,5476639	-1,2682315	-1,9730999	20,5550358	0,6583946	0,8179096	-5,2540997
5,46936626	1,0658844	-2,2458985	11,061758	2,33370415	58,9746673	-5,3264133
14,8648266	3,96586676	0,36741489	82,118174	8,0652195	61,1140773	-5,7683441
7,94777493	0,96216441	-1,5295345	46,1715304	3,83509817	23,6096794	-5,79512112
19,0632256	9,41785904	6,25072054	62,0452313	11,3060943	197,029446	-6,9971561
13,9121113	4,65802158	0,51380727	90,1199068	6,40709642	91,7333647	-7,1529909
7,88688358	3,27027024	1,79142135	66,245501	13,2290443	19,3676502	-6,7053136

-1,1343246	-2,3394075	-2,1717203	19,6999457	-0,02846938	-1,4696881	-4,0809642
-1,4555552	-1,4319367	-1,9070597	0,76022523	0,87838382	-0,9290495	-3,8216801
-1,78607857	-1,3218098	-1,3785078	4,23378045	12,1302304	-0,6674564	-4,1940118
72,3974651	93,7158202	43,860086	652,2455	1748,17691	40,1429981	85,6396916
74,9066915	77,8867605	20,2072028	1400,15279	120,943054	118,714632	-10,730625
341,523794	642,429001	497,416179	2929,1138	585,141185	186,035271	-4,0008131
261,607101	622,692378	510,401434	2910,45041	589,041786	197,665168	-5,74453712
1229,58275	2133,37121	1761,46481	3351,86808	593,889548	468,18416	-5,34545433
1391,84878	2256,26936	1960,51126	3875,27962	747,681925	565,721376	-0,5309204
170,832545	286,340305	173,7294	1129,4594	661,944785	148,431754	-6,2239223
57,4026917	69,5259931	24,4300083	712,078498	388,060609	111,584151	-5,4104512
90,1547545	213,971336	141,448501	990,687297	210,30972	55,0641536	-8,3525576
34,282535	99,9116347	21,3537957	581,607854	111,628451	27,266188	-10,011047
6,57692617	19,8439836	5,29063278	34,1407939	16,1776847	3,70581443	-6,4573897
22,7121901	23,3109234	7,38889353	0,83600995	-0,0208846	8,19515375	-9,4819801
13,2212068	28,9583174	56,8687396	6,75486025	5,95000737	53,0695893	-10,271918
89,4497553	123,900264	50,8714004	73,2648904	14,7050905	63,5563629	-8,5532708
129,237272	132,522333	32,4329435	56,1548718	9,51726447	35,9434483	-7,9564924
160,143256	162,799264	59,8429974	63,3312327	16,7040695	9,1702541	-9,0447153
NA	189,715248	78,864382	65,3144364	23,6950146	12,3998787	-9,54331651
189,715248	NA	176,961004	69,3199896	16,4545904	4,51442084	-8,190769
78,864382	176,961004	NA	87,1887387	10,6105902	3,80878304	-9,8849947
65,3144364	69,3199896	87,1887387	NA	26,5037584	0,08887517	-5,6308213
23,6950146	16,4545904	10,6105902	26,5037584	NA	0,99871613	-1,4040938
12,3998787	4,51442084	3,80878304	0,08887517	0,99871613	NA	-7,9048408
-9,54331651	-8,190769	-9,8849947	-5,6308213	-1,4040938	-7,9048408	NA
4,66162346	-1,3967503	-2,3562259	-0,3260014	-1,5215454	10,1845647	11,7083158
13,6735819	-1,21118	-3,2341466	-1,787498	-3,8579755	2,02158931	93,5680808
1,2371408	17,3759055	9,19372969	4,93541681	11,0145513	4,79407809	359,501337
61,2425421	46,2553783	90,9512859	32,384861	5,80884179	6,83538428	235,094133
6,28372066	-0,9914833	-3,5519261	0,7798027	7,19590266	-2,1838002	61,982964
28,3435462	-0,507244	-0,4421112	-0,2628457	86,5661282	-0,9106855	2628,5925
-9,82977885	-8,2887964	-7,6262142	-6,3032809	-7,1636016	-8,2998087	-2,4107907
-13,585224	-11,073799	-10,708733	-8,0702382	-9,8682151	-10,749711	-13,116637
6,35114972	6,33104088	7,68980645	11,7973662	10,8508361	0,06941424	29,375292
9,25216773	5,47871092	17,7416575	-0,04341325	-0,087155	10,0177506	32,1291274
82,1190091	283,087243	294,730231	10,4889091	11,5857111	0,99466014	15,5920963
7,35034	7,14825646	7,22456716	3,13614842	1,89492215	0,32383082	34,6325591
27,1425514	61,5491572	81,3653182	8,60595111	49,9504497	0,1036194	72,1114952
141,931279	0,65850471	14,1220748	-0,2203318	-0,9682878	144,996885	63,3258681
-1,6404667	-3,9865849	-5,369192	-0,6749869	13,1092389	-3,9914072	43,055085
-0,583332	-3,6379951	-4,8109556	-2,873623	-3,4178941	5,34068253	2,03090786
-1,0896144	-0,2165454	-0,316999	16181,756	147,477109	-0,1269179	4442,21658
3,85560719	6,77767314	5,88183196	-0,3468653	3,95516026	1,17651808	46,6728752

6,51621811	1,26239205	-1,5070803	0,50113978	18,2804765	-1,3836096	160,42068
-3,0111399	-3,4506688	-5,3439749	-3,5457323	1,47727825	-5,4139442	51,4385312
-3,497741	-3,4076116	-4,1197609	-3,3667061	1,55554536	-5,1514028	38,1905973
3,31678772	-1,4531422	-2,8806292	-1,2130758	-0,6164747	13,0285186	34,0209884
-12,120859	-11,0490113	-11,70213	-7,14351294	-4,90289048	-9,1024122	189,358929
257,295639	212,948604	-1,1581224	95,3062952	-0,686073	65,8390399	11,4690473
5,75312994	1,29515443	-1,0628573	3,77959314	18,9392685	2,19296775	58,1010213
12,5508943	27,4995229	35,6353242	4,36567577	2,39647823	1,50637363	107,355104
16,1823764	19,254253	19,1460778	4,37891671	10,1160113	2,11708701	151,122053
-1,7841248	-2,1171684	-1,79419786	-2,2797947	-1,5767891	-3,2830382	19,5081652
32,4316753	159,655281	114,692942	28,3311136	-1,1050943	-0,6095288	337,535084
-0,9195551	-2,85071852	-4,4509946	-1,5457886	2,46234238	-1,9060586	21,6930837
28,2399952	33,477326	34,7318128	6,44237763	11,6256581	10,2562463	100,804721
-1,5743051	-3,8431062	-5,2916438	-0,6573572	-0,1344507	-2,5344642	9,78986101
0,32801919	1,08356706	6,28350315	1,02733514	1,87655839	1,78240501	28,1596604
-14,131198	-15,871525	-20,681652	-15,797915	-14,997583	-16,4573611	-19,2292089
5,09239097	-1,8016455	-2,8402241	-1,77273193	-3,349015	12,1887831	5,62040665
1,02893097	-1,7132475	-3,0862998	-1,2152339	-2,8598969	-1,3513734	9,02317922
-1,1040633	-2,11981461	-3,8413985	0,73062228	49,8460322	-2,5055409	269,982492
50,2436085	1,83880259	-1,5526918	21,4259784	411,005186	5,78979157	2464,47208
5,52068912	-0,846642	-0,8714663	1,40973821	-1,2228254	-1,3963283	-1,8079699
27,7426323	14,011702	17,980047	8,00698448	5,2534673	15,0595788	89,3573232
83,8676407	13,0592593	-1,34093306	7,85117811	10,8439557	-1,3716878	49,421154
82,6927554	61,1737586	22,2179567	-0,7147197	23,9247593	164,902461	300,026901
25,8622752	19,7965748	-1,2403395	20,8703152	49,1461989	14,2562542	451,496308
58,8053722	195,819677	82,29602	-0,2834119	452,790793	338,648972	2723,11924
-7,9788482	-8,1046281	-7,7686877	-4,8649387	2,4561531	-7,0870801	298,651036
-14,8727103	-13,130804	-13,632322	-8,2393148	-8,8733064	-11,8622	76,6778893
5,11259129	-0,4821886	0,50482241	1,55414365	-1,1010305	8,17977293	30,1030831
1,55272526	0,30455466	-1,8544044	17,3274385	-1,23382981	0,4303688	208,205811
14,3080177	-0,3163599	-2,0928594	20,3435336	6,20829688	1,24612053	122,253061
1,28690408	-1,3460697	-0,5628913	3,61278482	-0,0856462	-0,5951723	33,8864238
-6,2231335	-7,3892584	-8,2994852	-4,1679137	-2,9074759	-6,0705158	18,0161432
-1,98956834	7,09537731	16,5500357	-2,8608108	-4,4979116	-5,16973026	-5,659117
5,41457501	1,66757636	-2,413959	14,4705584	1,64233909	0,49826653	48,6814887
10,3630314	2,46834911	-0,3619931	9,485135	31,624098	4,3772297	103,86412
9,02625339	70,6372688	26,3858142	19,4850029	35,9314141	4,92660636	6,87616065
-1,1374838	50,9843642	-0,8348376	114,366645	6587,44685	-0,8687157	11939,6791
13,606091	18,7654718	-0,2439124	26,0434965	23,0474256	6,96680186	130,302282
10,6924266	6,85909631	4,36334095	5,49761151	10,244125	1,11108039	14,9663648
57,185691	301,685212	1498,20839	295,461435	-0,69622	-0,959066	-2,8782713
-1,31964552	-0,1542709	322,647053	143,810108	-0,7427582	0,49811857	119,470784
-7,0206926	-7,5882175	-8,0487381	-4,4555396	-4,2341838	-6,8192052	5,08803514
-6,6760367	-6,2309583	-7,15014194	-4,4276539	-0,9660533	-6,2579448	48,5468845

37,4569352	18,374558	-1,2942836	-1,1627674	37,755767	24,3763952	537,128171
109,728996	-1,01518395	-1,35280219	75,6571034	115,769054	-1,055144	426,219308
9,10599857	0,84503208	-2,85539239	7,66540507	10,665714	-0,670472	72,6067574
38,378505	-1,2751632	-0,79467976	23,8641921	20,5112121	27,6529209	169,484565
-1,813751	40,6346707	23,5465823	16,864249	501,525915	22,1840354	2371,4066
-1,8990297	-2,98853196	-3,16497972	-1,465048	-1,5594631	-2,7935396	73,3421365
4,91486394	0,46078843	-3,0444361	-2,4820714	154,402599	-0,4808006	797,46285
3,19681154	0,91252328	-1,8547323	2,3228934	102,835595	-0,1994789	575,682053
70,6589632	22,259459	28,2124761	8,30026936	18,4069692	1366,68933	10,2201219
2,76085616	0,97452987	-2,2837582	0,93395227	28,3020633	-1,5384542	187,589445
4,04587364	2,19976621	-1,1671999	1,48303265	27,2490528	-1,490157	152,615889
-3,92282385	-3,3602091	-4,2730672	-3,5056732	1,15872676	-5,6996527	46,1846909
3,75425219	-1,0015283	-0,7038977	9,49086177	17,5062719	6,48784189	51,9726794
5,91685527	9,43956226	23,4487212	-5,2804893	-6,9431334	-7,4844043	-3,2794833
-2,0671916	20,8383954	-4,2366227	-1,3760363	65,6209592	210,153342	188,372023
-0,8253268	-0,6594731	-0,9232736	-0,222067	-1,0624934	-0,751845	290,452785
1,84134896	0,49530708	-2,3700788	0,50345117	1,55039368	1,3057782	23,220808
-1,8732454	-1,6309563	0,54594506	44,106525	36,7121566	-1,3187721	137,64581
1,59738583	1,162972	-0,1582949	3,68804803	14,1730673	0,0756478	35,6352285
3,17335667	4,0943727	-1,1548691	18,191113	2,53817898	1,50020977	50,5248699
7,49409889	7,51075388	15,2830503	0,40897704	4,34964006	1,27373825	89,9667846
-11,3491916	-7,7520053	-6,8295736	-7,2781122	-8,6688111	-11,068121	-15,057548
-12,9755534	-9,5243166	-8,6011886	-8,3860875	-9,9721314	-11,879806	-17,684593
-0,5721603	-2,6862347	-4,9993114	-0,3652931	0,07408835	-3,1447847	11,6156804
6,20653545	11,681361	10,5813585	6,80710788	5,12512533	-0,65065699	13,2634244
6,00687231	4,67727425	2,37973827	8,75174833	0,39335392	12,2258554	127,764502
-3,1127816	-4,1340808	-3,7888742	-2,8426074	-1,6931708	-0,431326	15,8046299
-5,98148309	-7,2108754	-8,6181895	-3,2484888	-1,225574	-6,3845105	25,4230276
3,98014768	-0,3019897	-0,3214327	53,8984484	16,2439426	52,0048133	119,350025
9,40718113	12,3619633	11,0429476	8,24366335	39,4687984	2,35766332	188,619658
494,200832	-0,9654799	-1,1023596	62,8306239	84,9518918	-0,8616337	798,583425
1,1420136	-0,5627325	-0,7256099	9,05925134	59,9674044	1,18524942	193,178915
3,33181536	-1,8981415	-3,9195088	-0,8278246	-0,8364384	-1,4781449	43,3661826
-27,091496	-30,000227	-28,494732	-25,695321	-26,659679	-27,235611	-29,765189
-27,993437	-31,324529	-30,867647	-24,596324	-30,293293	-29,080859	-35,067383
8,53791767	0,58985969	-1,0655817	3,047527	10,5142205	-0,6288099	170,219141
14,2574612	-1,7787183	-1,0661528	0,34571681	89,533411	5,28308891	530,763363
63,2690692	8,20238486	10,0005759	2,46987391	4,21307706	378,91176	34,2154485
1,2957507	2,5374769	6,1168295	1,22792392	1,73251718	1,47736356	5,70148342
7,37595177	16,0132962	19,1715722	3,27014143	2,61734356	-1,2098548	13,5319658

Iso1.597_gro	Iso1.601_Sn	Iso1.602_brn	Iso1.603_Ub	Iso1.604_zfh	Iso1.606_DL	Iso1.607_CB
-0,8677537	0,57155884	5,88091834	-0,93072482	-1,2384144	-9,5222074	-5,169756
0,05083097	4,77981187	8,45720328	-0,9733935	-1,94346041	-0,3958731	-6,248208
128,172536	176,753017	292,265247	137,119557	165,906542	1842,71374	-8,6876238
28,8830924	-2,6407346	13,0308113	-0,7947718	5,7103	-0,656598	-7,0006034
3,15480257	0,09575886	10,5258051	-0,8145239	-0,3380932	-0,1693326	-5,3039797
209,93788	48,2927585	101,369808	453,661219	42,6823154	1736,44299	-5,8295661
-1,4524495	9,76671732	1,45547842	0,29037929	0,46802177	-1,8364197	-4,36431707
-1,5165121	-4,9730283	-0,5575386	-0,4507245	-1,7959059	-0,314741	-4,2732687
518,258396	1084,36344	950,264309	1919,12156	533,226471	4168,82231	15,2218766
28,999388	5,25958152	8,67261845	27,2667182	10,3070076	230,355622	-6,2370668
749,052431	510,307414	628,662994	550,009648	307,479405	2584,70493	21,3273303
1345,09811	3876,75043	3481,39465	8357,17506	1658,5236	15467,7313	111,353378
7,32632841	-3,7637287	0,96386437	5,74012584	-2,2841028	-2,2697133	-5,5699503
132,979362	129,405197	110,110417	384,70298	118,02197	1049,07627	-6,7108823
3,86633973	-2,4383055	0,61328561	-1,7010458	-1,3110275	-0,5214373	-5,2496694
160,162101	66,7892356	73,9301681	218,580938	33,7568092	1116,59753	-5,4537054
4,99038262	-2,0996551	0,46469554	-1,2555698	-1,7629712	-0,5724996	-5,02529445
74,0373396	18,7271419	22,3311335	69,9966766	19,0134693	-0,6766981	-7,0338911
96,8607698	82,1445106	62,1711291	183,853715	45,1853099	-1,3784711	-4,0852436
15,4846666	-2,5543113	5,27464196	12,0283987	-0,2717829	68,6737675	-5,3593142
931,083391	1024,48728	1240,04387	5128,55819	711,49107	6010,20756	49,2646289
20,6788211	79,379473	62,4469046	100,311349	48,9013771	403,019356	-6,89368896
-1,1168877	166,736993	0,91920695	5,96502891	3,67764725	-0,3502183	-4,3633678
0,10522136	7,29889959	19,9325085	-0,7024167	1,21287957	149,409571	-4,7411744
6,31968993	28,4053747	82,7113404	-1,3981712	3,84613674	546,388527	-6,4399208
-1,3972796	100,689624	-0,641006	-0,6560008	2,74088816	261,140178	-4,1199561
10,4559093	1,9732002	18,3983409	30,371822	14,8631389	-2,122966	-5,4515678
24,3780739	430,134265	228,402865	1491,15282	187,644593	1688,46574	-8,7688619
73,9264155	105,54689	56,0479644	52,4929308	54,605771	2218,69866	-8,3025192
6,0278993	-3,2989445	-0,3754658	4,94762805	3,18099565	-8,9846858	-4,5739993
71,6274627	14,8406943	32,5230895	50,1173148	55,2809872	536,988477	-7,4968495
104,049491	77,623198	96,8618719	285,824627	91,7587635	1543,22886	-8,601054
98,5647789	40,79955	81,6659982	78,902379	67,2223871	614,93176	-7,6283535
44,39644	-1,1153313	16,7204548	24,0387236	9,85656494	217,427679	-5,3272566
52,8624198	25,2058388	50,0269521	72,3588422	34,8706707	1054,24937	-6,9334814
53,2592513	9,71826382	8,8971437	25,4922453	20,7605147	-0,6697425	-5,7840307
29,4123843	-1,549874	12,0166513	0,74041434	9,57280833	58,8889239	-5,3281686
47,230394	3,31514294	8,60475729	5,17133039	7,75700291	-2,4876198	-5,9371419
99,7344051	24,7855195	6,96725142	40,6599169	27,6564462	10,2575679	-6,9618496
110,684764	2,60092759	13,2850024	57,9610337	17,9302327	17,9602506	-5,7586201
48,0887763	4,81263764	16,8298453	25,9074046	24,7243837	213,676875	-6,4954818
86,9523434	49,9181993	26,8780925	171,51295	36,9177127	114,921693	-7,5782836
106,274466	7,79277541	31,536297	123,590085	27,6119008	1723,43843	-7,0197927

2,82452523	-1,0893642	0,20263773	-0,5699776	-1,1836586	-0,693592	-4,6083651
-1,0662573	98,612749	0,43122476	-0,5964546	1,20435349	-0,9467705	-4,2700395
-1,0591321	150,579107	10,2632018	3,98380498	10,4480793	730,35315	-5,1196345
8,11522	74,4210311	191,710532	490,709152	257,741584	837,985063	-6,7232937
417,093999	1388,96785	1400,8848	2148,23948	197,73979	7100,51631	-6,1476364
117,27875	925,153614	896,544847	5465,20164	371,078275	5728,38774	6,46488552
125,67547	834,638282	740,341638	4950,78139	334,225704	8070,0938	7,40260533
8,4356622	723,805649	643,596952	3736,67623	300,573416	396,615338	209,873761
11,476649	853,578773	761,46692	4186,77648	384,712993	1557,72285	235,266098
326,822983	387,58697	675,068648	2183,63949	153,987818	3189,32127	-2,7858883
117,2895	214,700777	454,985095	1570,91773	123,129635	2042,41679	-6,4978184
23,286859	364,787657	405,943602	3706,48975	63,0341235	2649,09684	-5,6592212
7,75485263	75,4771682	271,663324	2252,13722	34,8275357	732,619712	-7,8254298
3,99211034	41,1530708	29,4946541	117,018113	4,89385533	317,783899	-6,8569427
-0,97323378	-1,5539572	-2,4155623	-2,0582703	-3,6770857	-0,7597675	-11,757043
-1,5904382	-2,4660498	0,50179525	-2,0438007	-1,4530496	-0,6191881	-9,309032
13,5681632	17,9499941	7,43102837	123,626383	10,6130159	109,478614	-8,3751576
18,0591848	13,9157451	22,6791899	28,1079909	7,02333372	435,899171	-8,2189382
6,4243914	4,2826937	11,3086362	45,6136155	5,63068932	-0,8147775	-9,0049724
4,66162346	13,6735819	1,2371408	61,2425421	6,28372066	28,3435462	-9,82977885
-1,3967503	-1,21118	17,3759055	46,2553783	-0,9914833	-0,507244	-8,2887964
-2,3562259	-3,2341466	9,19372969	90,9512859	-3,5519261	-0,4421112	-7,6262142
-0,3260014	-1,787498	4,93541681	32,384861	0,7798027	-0,2628457	-6,3032809
-1,5215454	-3,8579755	11,0145513	5,80884179	7,19590266	86,5661282	-7,1636016
10,1845647	2,02158931	4,79407809	6,83538428	-2,1838002	-0,9106855	-8,2998087
11,7083158	93,5680808	359,501337	235,094133	61,982964	2628,5925	-2,4107907
NA	18,2276491	43,7875591	22,574899	4,85675145	1075,96814	-5,7912949
18,2276491	NA	35,3615008	40,146138	7,52994647	-8,9846858	-4,4804544
43,7875591	35,3615008	NA	13,3843192	-0,5760015	172,810562	-4,77228482
22,574899	40,146138	13,3843192	NA	-0,1067232	15,8308997	-3,7682598
4,85675145	7,52994647	-0,5760015	-0,1067232	NA	-0,90371185	-5,6486434
1075,96814	-8,9846858	172,810562	15,8308997	-0,90371185	NA	-7,84467975
-5,7912949	-4,4804544	-4,77228482	-3,7682598	-5,6486434	-7,84467975	NA
-7,6332271	-6,2971309	-6,7234666	-5,2964841	-7,7298832	-12,41557	-4,1337122
12,3380265	0,89442486	13,5248134	1,39904114	11,6590414	7,72660885	109,422443
127,106202	0,12408381	-0,370495	-0,5014963	1,49538529	-1,0143142	100,943183
-1,6571972	-0,7106385	12,2254937	44,9888274	4,78756467	4,65875708	387,328157
39,8031477	20,3720689	5,08671097	43,6781513	20,6242438	-1,2937836	97,7055237
0,57058767	5,70619211	5,85941791	2,75255784	89,7006321	-1,540468	193,23474
288,928588	4,39651259	9,15079501	32,5677684	47,5708049	-0,3027129	458,776193
7,19915021	4,23548281	3,49138555	3,43518906	169,100155	-0,7558005	143,960234
81,71103	-1,9252504	-1,97957523	-2,3705574	-1,9881949	-3,7202261	39,5557945
-1,3822124	-2,641955	-2,641955	1,82260956	48,3040671	-2,641955	-1,0853378
10,0551979	-0,157943	0,68746543	-0,4585401	7,7469741	-0,6202046	96,4059149

-0,0307892	-1,3991519	1,07569202	0,67521576	26,01949	-5,2829274	43,270724
-3,8480727	-2,959853	-2,9172475	-1,8963757	1,74842202	-7,1575494	21,520828
-3,4665624	-2,6883811	-2,8442248	-2,1001849	1,45281121	-4,9607347	20,0268242
14,222791	-0,5692147	-1,1660607	-1,0724427	1,79117021	-3,2250641	41,2933714
-6,4587993	-4,8964733	-5,0195223	-4,5256931	-5,8836396	-7,9995722	-8,2017972
119,938617	63,9799728	407,314468	28,9654897	14,5765698	-1,1511551	603,379748
3,83125215	-0,0106254	4,32971096	-0,7085238	19,1297774	-3,37159261	79,3564558
4,88321957	-1,1406702	4,79196914	0,26048259	16,8830323	0,41579743	233,118666
2,92152493	4,94550365	7,96373899	-0,4340192	9,34287723	-0,9596666	269,571068
-2,5025682	-2,2245338	-1,980193	-2,1393825	0,49731783	-5,0573181	43,2373842
33,2105428	-0,1963386	15,9233451	-0,2775971	46,1893499	-1,157652	1694,23914
0,20407868	-1,8228877	1,08205042	-1,5561537	-2,1775708	-3,3037853	61,035505
10,5137422	56,4800776	27,3947816	10,7720422	18,6473411	-4,6870489	312,967465
6,00628069	-1,6738343	2,11865276	-1,8104087	-1,5692113	-6,791776	55,3856275
8,3138262	1,34330289	-1,3459968	-0,81846077	3,11834114	-2,6413056	104,984188
-12,3904199	-10,8470415	-12,96167	-8,63134145	-13,835732	-19,705493	-13,609408
40,3013273	-2,2464495	-2,8465047	-1,86415	-0,7010053	-4,2526941	63,6654873
56,8159804	-1,328928	-0,6551496	-1,7891486	0,07209751	-3,4026069	64,7163219
-1,985086	0,98005719	0,43619372	0,50678708	7,71229925	-3,3672183	35,6132459
-0,6231433	-1,7994973	-0,4999339	-0,8872774	673,627575	-5,78791	62,7730107
83,8938624	121,199793	1339,6184	8,10108663	186,607116	2,16533576	1613,31723
52,202986	166,69665	31,9044208	97,3691814	84,0829199	-0,5399766	664,42071
23,7142397	-0,5491168	-0,2877321	-1,1232066	7,79567033	-3,8406522	529,252111
602,937595	-0,3836322	-4,5505513	-0,3713325	141,823177	-3,4006305	1263,14603
180,960161	-0,2174203	43,0419859	-0,3361121	61,5655641	2,40332413	468,417729
2285,83792	-1,8188458	-1,5260207	-1,8188458	-0,3669702	1,96189287	3007,65824
-4,4232405	-3,6407579	-3,55635486	-3,0010397	-3,8276774	-7,7986381	2,97019904
-7,1982192	-6,50760522	-6,0041878	-5,4036674	-7,6666831	-10,457139	-15,837219
36,3587766	-1,0946632	-0,4366734	-1,3415226	9,78766064	-2,8473908	98,3608035
22,3221516	-1,22946	13,5653572	-0,537741	16,8235776	1,02761776	160,515526
25,4717997	-1,37461626	8,9106124	-0,6815682	2,31647437	-2,83914619	129,355527
8,00230374	-0,5616428	1,19304757	-1,1811578	2,22229899	-1,7186425	88,2450305
-3,57812821	-3,1660013	-2,6328472	-3,1633777	-2,793026	-6,5127374	11,801408
-3,7941656	-3,049603	-2,9915927	-2,5691836	-3,5282434	-5,6533599	55,2171843
8,08190929	-0,021294	32,2552858	0,49354286	5,97159538	5,46269012	169,695442
11,9571067	3,88309746	7,55228029	1,42507287	19,935915	2,48483837	158,253063
2,29879433	15,1888498	36,2729332	9,47383605	95,511074	-1,4234029	130,2473
-0,3989681	-0,5486436	-0,1780851	-0,8541007	557,977742	-0,5644674	160,44601
0,07630118	24,6640785	37,9627687	12,5145594	99,0315203	-2,3775368	483,337613
1,7999243	2,31503447	5,49708681	-0,2049741	20,8960744	-1,217178	110,995388
-0,27615025	-0,360219	407,938376	-0,56389354	2730,33613	-6,8052897	3083,18515
857,581415	-6,1689545	222,33169	-4,5119121	115,186189	-6,1689545	321,08264
-3,9578353	-3,6866218	-3,2840062	-3,3159174	-3,234298	-6,1861786	10,7121536
-4,1153836	-3,326813	-3,257207	-2,6590097	-0,6773478	-5,3000522	7,9073932

58,641994	124,330478	68,0130838	-1,170061	247,901779	-1,9846087	181,676846
-1,1139291	-0,7319843	-0,8037589	-0,5453251	-0,5184882	-2,8910734	354,940363
5,34764655	0,18870736	11,1265956	-0,8397691	5,11908812	2,95791453	102,982605
4,1859492	-0,5155142	13,4684882	-0,46031184	4,90237852	-1,7543715	229,74469
61,145744	1846,10854	30,2591827	205,332286	165,917399	-0,74082898	761,450731
14,7630445	-1,4622352	-1,2390602	-1,7570931	-2,5596083	-16,549541	73,1868663
4,73837208	247,212037	-2,2704926	0,4850235	72,4367286	-1,37404746	88,4614771
-0,4330523	26,9279871	1,74707739	-0,5688788	23,9522046	-3,4426809	58,2891117
66,9563407	-0,9296009	-1,586324	-0,4107671	8,0864833	-0,4489688	594,469388
-2,1615525	-0,9635672	-0,5536836	-0,1623121	22,0428948	-4,7723446	49,2986366
-1,8812518	-0,9453873	-0,1177999	-0,46199621	29,8436059	-3,462666	60,2383161
-3,6123209	-3,2729395	-2,8323784	-2,0425766	2,26651206	-5,250162	18,3086262
4,6393565	2,33749498	6,60973519	-0,9268991	29,1906971	-2,7633429	145,185047
-5,6353658	-4,9594362	-5,0097184	-4,1083692	-5,7063159	-8,1740276	30,3390098
312,762608	531,60392	-1,5832482	-0,4214194	370,606572	-3,2691811	518,786034
51,4908511	3384,47734	74,0591442	-0,8493675	569,377075	-3,3017624	682,247113
15,7306985	0,15768607	4,28403957	-1,3411754	10,4478299	-1,6221054	87,2790232
33,7150857	-0,3796915	97,2135221	-1,0216675	77,5526833	8,60772591	315,301484
27,6502577	-1,6476184	3,20526085	-0,7868253	2,24097237	-1,7893806	83,5518901
23,9233262	1,06220096	7,00929954	-0,6068181	1,90191967	-1,85826661	114,942675
0,44667948	-0,4740005	-1,344137	-0,2657666	-1,6167701	-4,5868105	170,393465
-7,21722536	-5,5943722	-5,9460395	-5,1933655	-7,122633	-10,917712	21,4800221
-7,5233597	-6,4025235	-6,42904273	-5,4276599	-7,5655245	-10,561513	12,811809
2,8112008	-1,4544811	-1,6444842	0,13668251	3,91524017	-4,4857828	31,0138649
-2,12938359	0,37720225	0,56801785	9,54458221	4,18745073	-3,679325	78,1353989
4,9589117	10,9744242	3,96495369	-0,2478544	5,14948492	-26,998175	108,439143
-2,5105851	-2,0388665	-0,9858047	-1,8162806	-2,0725179	-2,7966299	41,7354551
-3,5693858	-3,07824327	-2,8715992	-2,9998293	-3,297766	-6,1986832	12,1394861
168,832454	-0,38806281	5,79265266	32,8933249	2,24521889	-1,0137607	211,517029
2,28376616	-0,9789019	2,15919371	-0,5940041	30,3908116	-1,3992976	215,739394
108,486033	5,90129038	0,35931264	5,78404126	44,3092593	-2,6374895	288,357624
0,95183073	2,63760227	1,95240378	3,90841249	9,76204164	-0,326797	105,814304
-0,1124398	-2,0720927	-1,4573825	-1,0527781	-2,65854628	-3,9053956	60,7191348
-23,22468	-21,877072	-25,200484	-22,178943	-22,493943	-42,628135	-25,186164
-23,632648	-22,62914	-23,705109	-21,157238	-21,769826	-39,23539	-26,14572
8,63370241	1,1508765	1,24099385	-1,0283702	5,43409299	-0,6466653	112,262004
7,05553588	30,7897721	2,45867806	-1,0233593	134,073777	-0,6831088	140,17126
46,3845015	-1,117684	-0,754917	-0,7125395	0,05549221	-1,3588159	282,628699
10,5289328	-1,009311	-1,4552114	-0,9707687	-0,3218795	-3,6226963	53,2862423
-1,5877989	9,24484585	-1,3178675	2,39827998	5,0562491	-3,2104246	83,3051276

Iso1.608_chi	Iso1.610_gsk	Iso1.611_en	Iso1.612_Ub	Iso1.614_Ub	Iso1.615_ttk	Iso1.616_Sta
-6,3974199	5,44387136	-1,5516105	2,21277096	1,4886657	0,44783281	-0,439366
-8,1855342	1,00188106	-0,8420644	1,71141475	-1,4288532	0,76877127	30,5845172
-13,7155	197,690917	57,1214379	5,14886871	80,9110978	80,4457309	112,21176
-10,541646	4,80745569	33,4797932	-1,5927152	9,39918395	3,54013376	480,58591
-7,7142819	0,71773491	0,75318454	4,73925687	1,76177313	1,99884929	3,31060212
-11,1344774	32,7360422	59,1091799	64,8412155	164,977186	21,036821	901,569621
-6,25856	-1,0679214	-0,7395934	-0,5766956	-1,4943493	1,72281142	4,06196379
-6,0156753	-0,6964951	-0,91759606	-0,7963369	-1,515064	-0,8139917	9,23250152
-11,159317	611,456466	455,030472	2071,40843	1145,89821	856,980072	5338,80101
-8,59813344	3,77651492	34,4489677	2,7699614	5,1039719	5,2615064	243,480672
-3,9411741	377,871512	518,128558	562,216219	252,144476	211,666134	5614,79837
14,8802173	2424,67454	992,572793	5986,92019	2898,15032	2905,43584	9851,97194
-6,5972385	-0,9982358	10,9573105	-0,6113884	0,86118389	-1,3598598	178,716715
-12,819754	58,0728868	51,4197741	60,0397115	97,2863258	39,1608905	1667,11657
-6,5507159	-0,9753396	2,44100517	-0,9854882	-0,968012	-0,1845468	146,587094
-12,124561	29,2371548	122,067919	5,06580748	41,0338974	8,81371923	1388,90235
-7,3845888	0,73899147	8,53590927	-0,3942163	0,45729591	-0,9453206	201,981935
-10,015634	19,4283648	34,9725033	66,8080484	35,7013667	21,9396272	240,771699
3,04783627	45,4906847	125,016638	60,5698361	71,2509704	34,6978867	1139,59202
-7,188597	0,44184447	9,6833369	-0,91696418	0,16747377	-1,0368629	433,214235
4,06671422	650,703322	684,388938	1980,08395	1022,75997	740,372123	6292,38093
-10,47159	94,6517541	21,4439944	40,7786439	47,5357447	40,6889902	343,68178
-6,5633043	-0,0507182	-0,0314358	-0,7013743	8,14838513	-0,037239	40,6032082
-6,946148	3,3798429	-0,7064452	-0,46895	0,14044224	-0,11402381	-0,6894301
-9,4431716	9,73917588	1,95069097	-0,8307749	1,96172153	-0,0085133	-0,6668418
-5,7803049	-1,0564605	-0,4735364	-0,5054275	2,52901659	-0,2016603	-0,3476847
-7,6653264	4,11490119	1,32956681	-0,4449607	0,83109009	0,24522352	70,9028739
-14,1844301	182,076108	23,382803	482,838364	415,23565	331,637782	344,871337
-12,495285	172,288971	27,5397196	-1,341553	38,5090786	35,0489047	253,108258
-6,3135701	10,725581	3,8577096	-0,5096003	0,48565369	0,62619684	39,6224274
-11,118274	78,6352341	22,5169215	10,195777	34,2219098	19,8842552	878,105199
-12,815859	173,501475	27,7774983	19,3527492	79,5327853	29,398778	388,207205
-12,719571	145,676024	27,3093185	16,2907647	49,0323472	15,5412555	251,705967
-7,6878548	9,92314492	11,534517	16,3797125	10,1369574	4,58943286	147,447243
-10,40634	26,5887076	9,87338924	21,0601068	27,8046155	2,65585234	43,1105689
-8,7876196	10,3518394	13,6339182	33,2197892	11,3670891	0,86845205	234,091871
-7,9101711	2,48885539	0,94360439	-1,1999707	5,7530704	-0,85165	75,0238881
-8,3693534	5,40915683	10,8034068	-1,2749867	7,03201291	-1,7350738	324,91139
-9,6007928	17,4811527	24,5047284	2,3649678	14,7512437	4,69957307	302,11447
-8,8232346	10,7249175	17,8915229	11,1966101	21,9073292	3,72288213	668,157449
-10,238634	13,7381624	28,4722868	4,25858735	5,6011131	11,6095134	582,83174
-10,83247	19,0276084	31,7489163	-1,1371583	29,8190725	18,6734963	431,944358
-10,497837	6,81369311	8,69991855	13,3903278	32,3691185	7,56353744	441,844845

-6,5988384	9,61749757	4,31845547	-1,8110614	0,61584637	-0,4392575	8,92580526
-6,1085049	0,18199712	-0,1601405	-0,33765475	4,14272101	1,19644972	9,13080669
-6,5685034	1,69925618	-0,19815717	-0,8064305	7,57158226	1,68258912	33,282421
-14,285313	108,143782	7,07793682	329,930789	122,93836	378,351692	104,970125
-16,987605	554,935111	240,27067	830,060658	714,530966	419,381474	1864,53908
-13,786648	572,19153	99,1704366	3968,69272	1429,58197	1678,21846	2814,97508
-11,350297	548,087066	98,4462428	4493,96652	1296,92312	1607,22232	2745,35593
58,9679339	515,924746	225,883324	6190,04676	904,467702	1933,55213	1121,38131
67,2582875	626,848546	286,68814	6553,25228	1172,72435	2214,22647	1579,01154
-14,074531	239,940189	192,713475	4458,96671	598,204045	1527,25001	1092,10376
-15,071837	348,691053	80,6057173	1113,51901	335,998813	350,357208	933,100542
-13,016726	170,678599	25,4074191	3119,18352	921,865297	924,678166	799,430277
-14,701657	119,223751	11,0030678	2353,58268	610,956287	424,170449	417,682947
-9,9058767	18,2102715	3,55753001	808,780061	40,3873859	143,32923	35,5213888
-14,9800373	-1,0182928	11,3457261	-1,9182325	-2,5166683	2,1189642	20,168426
-4,67606737	-0,82538051	35,5476128	9,12699885	-3,441153	10,6118201	-1,31416
-12,772628	5,61757072	7,73773587	170,031847	26,2568455	48,4284955	285,269064
-11,573317	2,30221049	17,785383	41,8089075	12,4638155	15,4298657	152,961001
-13,4196882	3,03139531	13,2917725	118,167561	7,54031728	30,1594135	5,77519749
-13,585224	6,35114972	9,25216773	82,1190091	7,35034	27,1425514	141,931279
-11,073799	6,33104088	5,47871092	283,087243	7,14825646	61,5491572	0,65850471
-10,708733	7,68980645	17,7416575	294,730231	7,22456716	81,3653182	14,1220748
-8,0702382	11,7973662	-0,04341325	10,4889091	3,13614842	8,60595111	-0,2203318
-9,8682151	10,8508361	-0,087155	11,5857111	1,89492215	49,9504497	-0,9682878
-10,749711	0,06941424	10,0177506	0,99466014	0,32383082	0,1036194	144,996885
-13,116637	29,375292	32,1291274	15,5920963	34,6325591	72,1114952	63,3258681
-7,6332271	12,3380265	127,106202	-1,6571972	39,8031477	0,57058767	288,928588
-6,2971309	0,89442486	0,12408381	-0,7106385	20,3720689	5,70619211	4,39651259
-6,7234666	13,5248134	-0,370495	12,2254937	5,08671097	5,85941791	9,15079501
-5,2964841	1,39904114	-0,5014963	44,9888274	43,6781513	2,75255784	32,5677684
-7,7298832	11,6590414	1,49538529	4,78756467	20,6242438	89,7006321	47,5708049
-12,41557	7,72660885	-1,0143142	4,65875708	-1,2937836	-1,540468	-0,3027129
-4,1337122	109,422443	100,943183	387,328157	97,7055237	193,23474	458,776193
NA	89,7872792	267,12628	572,715684	6,46227733	130,159702	144,233145
89,7872792	NA	15,6531166	80,4329871	13,9283412	5,49983217	23,7524875
267,12628	15,6531166	NA	-0,9904367	2,29849981	-1,3366305	-0,5022197
572,715684	80,4329871	-0,9904367	NA	7,20797393	70,9614044	-0,4315214
6,46227733	13,9283412	2,29849981	7,20797393	NA	117,943869	94,9027247
130,159702	5,49983217	-1,3366305	70,9614044	117,943869	NA	-0,9017033
144,233145	23,7524875	-0,5022197	-0,4315214	94,9027247	-0,9017033	NA
-12,402865	22,5408819	-1,5737857	-3,3222222	24,5674334	32,7604855	-3,3399065
-6,7366711	-1,5358948	12,7665614	-2,3946327	3,62295628	-2,5607623	-1,7488201
-2,0414617	2707,15384	-2,4734316	-2,641955	1168,49927	-2,641955	4,49750073
64,1757582	3,65781334	0,41910641	-1,8756386	6,70616892	-0,0358555	0,3785133

36,4211027	2,99348078	-1,5253055	-1,3458804	8,97762618	4,45084266	-1,1436782
17,1887512	-2,9739373	-3,692229	-3,797586	2,82936641	-1,4569157	-3,4901407
20,1382231	-2,7710666	-3,2099706	-3,0173341	-0,3615171	-1,7972033	-2,9578968
6,55031098	-0,8574607	-0,7609757	-1,6916063	4,70010057	-0,5999429	-1,0865176
-5,921815	-5,90351902	-5,1894206	-5,4963101	-6,7521275	-4,9971989	-5,2977503
93,4364112	406,486019	-0,2398971	-0,4489402	-0,3668812	-0,2800561	-1,1511551
40,3583683	11,3881634	-1,2929564	-1,5521322	2,79418344	-0,4361976	-0,8762805
361,782266	36,9950294	-1,0552206	-1,1806162	4,13682375	2,53671769	-0,8820123
255,582989	21,6933926	-0,9789678	-1,6393061	5,9976047	1,6077696	-1,0426788
24,6322385	1,38954384	-3,17572181	-2,6745747	-0,5909634	-1,45596885	-2,27259677
833,858389	20,3299411	-0,2313662	-0,2825082	51,3642657	105,610505	-0,1981163
199,292155	7,92840905	0,75152561	-1,9657485	-3,1786017	-1,9612945	-2,4848372
1140,4837	16,5287183	-1,6789197	-1,0915669	27,0011524	-0,9296258	-1,0530282
52,5286426	8,72531569	0,50966641	-2,6165485	-2,1150108	-2,4237331	-2,606997
808,850866	2,66345048	-0,0157055	-1,6444545	4,08374886	-1,570443	-1,16790896
-21,040917	-15,456309	-12,868788	-17,3541351	-12,260399	-11,322566	-17,332961
-4,8088211	-1,9405344	7,05958933	-2,9320099	4,98765456	-2,5151672	-0,92449906
-1,6126629	0,87753395	16,5004477	-2,3538876	10,1961107	-2,081135	-2,9922011
11,9082284	2,13781664	-2,0887663	-2,2874829	16,0909998	2,24736151	-2,3178622
-3,711485	-0,432557	-0,9092665	-0,3591399	57,4884093	262,922169	-0,78421879
687,283897	520,540871	30,3013941	-2,0407316	898,138635	17,7511281	-1,9458619
148,687715	75,2864788	47,1474743	29,1162318	787,964906	288,836551	45,9600781
442,762837	9,11580351	-1,4054946	-1,419933	-0,56227811	-0,3785094	84,8697328
1229,00531	-0,7579753	58,9227479	-0,4741865	-0,5980281	-0,3709837	5,21739096
206,741676	63,7508413	8,71749337	-0,5520952	75,8812856	2,19362453	-0,2547626
-1,2954287	-0,4537021	36,7002814	-1,8188458	-0,3967889	-0,4959274	2,4379442
14,806418	-4,6753881	-3,9438127	-3,7786147	-4,8432199	-3,3447302	-3,8384027
-5,7305615	-7,5762781	-6,7807013	-6,9280068	-8,6901982	-6,17608322	-6,2973722
8,84419715	15,6796311	4,64528665	-1,8846604	4,28703205	-1,1653534	1,35453951
74,9815732	156,73147	1,91626108	-0,82772517	7,67826892	-0,3232286	-1,414775
124,824231	98,3418719	2,94237063	-1,1313562	11,4301798	2,10106425	0,7977557
55,5876588	25,6462273	-0,7556227	-1,5887453	2,93382534	0,13797032	-0,8248935
6,11043839	1,29097302	-4,3151698	-3,8946688	-4,4134783	-3,8096847	-4,185506
191,999573	-1,6054362	-3,7016126	-1,6121924	-2,91954414	-0,9482325	-3,0086501
54,2527073	51,5995936	-1,4389053	-0,961227	7,90161925	-1,2981053	-1,112756
27,2025872	80,4846808	1,14058723	-1,950421	14,6352312	4,60540272	-1,0307505
256,25483	64,6510245	15,8123899	-0,3775232	39,4559057	28,4668409	-0,6747883
-2,3327021	-1,34494365	-0,7281848	-0,8346025	-0,526415	422,221294	-0,5366534
67,6013038	7,1317177	-0,9174146	6,06966391	114,292888	11,8902176	-0,62149364
20,7953033	11,1102844	-1,2480058	-0,5735259	11,1291625	1,60193885	-1,2638241
2803,19788	372,228705	-2,3248292	-6,8052897	-8,692154	-1,6023522	2,56916884
161,970796	-0,7038894	-1,4229907	-1,82731776	-0,9234743	-1,1734982	-6,1689545
-4,3470358	-0,530113	-4,2573689	-4,2888199	-2,2599765	-3,5798249	-4,2901453
19,9504514	-3,1121545	-3,8129981	-3,6433968	-3,0601236	-3,027699	-4,08798965

714,280707	76,8831782	4,16338134	-2,1205801	35,3647525	3,31521042	-2,1205801
2055,73128	-0,8420119	-0,59611	-9,6322631	-0,4617187	-0,2376003	-2,8910734
86,8433778	80,1690377	-0,08405917	-1,52058836	1,17295794	-1,23109962	-2,012459
858,86113	199,265007	61,0031308	19,1124411	39,2968399	-1,1674016	-1,7543715
98,0776121	79,5378757	-1,2430594	20,2114356	139,962438	35,5537295	-2,0329557
366,231377	-1,8547098	-1,6203553	-1,1698677	-1,4851226	-1,2429808	-1,1971643
-10,322585	20,5934283	0,55846879	-2,3513972	211,719706	13,9201862	-1,8898519
35,9259802	5,34659799	-1,05336253	-1,7753823	22,5926329	0,87457398	-1,2940972
401,516701	-0,8982626	65,6452153	-0,5731385	-1,33997897	-0,5484315	12,8413506
52,9241477	0,64277775	-1,9977583	-2,00184311	6,39898933	2,99852285	-2,296741
86,6620327	0,04751971	-1,9511023	-1,7406259	2,61195116	2,6078578	-1,6812028
30,5560051	-2,2109018	-3,1881546	-3,2496892	-0,792497	-1,9579932	-3,5467153
29,0745982	29,6388518	-1,3568088	-1,418785	1,15213343	-0,5581264	-0,170327
9,93307494	-6,2862433	-5,2360346	-4,20040324	-6,0143681	-4,0294131	-5,3846943
-7,36163722	0,12422966	120,358452	-2,0216689	323,411294	32,6886067	1,73584983
-2,4766385	152,219614	-0,7021191	-7,3607595	261,944314	61,1869974	-4,4453917
47,6467682	14,2855707	-0,6914386	-1,2439018	14,0277592	-1,27525548	-1,0652103
26,3681298	76,2696336	7,91453953	1,83501238	21,7858367	9,47669906	0,71567524
53,2638427	5,73277862	5,53540191	-0,062805	8,26844026	3,18656191	-1,3300095
56,8739948	26,208471	8,1622234	-1,2919937	6,31654727	-1,1142326	-1,313592
650,309358	4,24505892	0,56896637	-0,013579	7,62002428	2,2603515	-1,2394647
60,0510159	-6,8995062	-5,7788036	-6,1523675	-6,9028778	-5,4762159	-6,2939462
40,533336	-7,3816551	-6,7967495	-6,66010865	-7,8066393	-6,2206573	-6,6116421
-13,543792	2,9894211	-2,8072393	-2,1469162	21,6058934	0,43584111	-2,8104807
10,6167047	5,52323996	-1,7107613	1,79281787	54,8519768	8,10074221	-0,9603948
21,5282681	14,5035553	1,69165593	-0,9848778	32,5801455	-0,7268678	-2,0753112
562,41414	-1,9581901	-1,6564566	-2,3899522	-2,5181449	-2,3656744	-1,9894832
-0,2079488	1,91384217	-4,1881446	-3,659883	-3,0616236	-3,6317445	-3,8629686
299,36223	25,9842892	12,6136989	-0,4328534	60,4690121	-0,9827986	7,30103224
545,071297	5,98515672	0,49703361	-1,0257805	2,65233147	-1,0837885	-0,2010041
335,36623	213,040918	120,455121	3,23236907	0,71828153	-0,9374875	-2,9369294
57,0706919	26,7987692	0,51391728	-0,4940713	27,9979551	5,87849562	-0,83370581
428,238156	-1,7882249	-0,928551	-1,491772	-2,1094914	-2,0518862	-1,3935758
-31,010062	-24,047276	-25,627924	-29,859585	-25,159166	-20,822672	-34,497351
-31,300281	-23,74542	-30,061049	-27,330214	-23,740607	-25,161188	-32,786896
182,612077	21,6115735	1,15675715	-1,4794144	0,59830855	-0,5240521	-1,2416037
52,2147233	-1,3238917	0,58501225	-0,40808059	73,1142626	29,5467107	-3,7921144
75,0536131	3,31695002	4,91656145	-2,1854128	0,66933991	-1,241679	15,9823231
158,891143	22,9127806	4,38870581	-2,5564106	5,48261092	-0,9646381	-1,7553346
110,299067	4,45899812	-1,4442299	-0,1053087	45,6419105	8,00240684	-0,8875102

Iso1.618_kn	Iso1.623_gro	Iso1.625_en	Iso1.627_cnc	Iso1.628_bak	Iso1.769_CT	Iso1.770_CT
-1,5715826	-2,6264972	-2,641955	-1,0244236	-1,3457931	-3,2040324	-3,1197734
-3,2595206	-2,90205532	-4,4092595	-1,3819774	-2,1714793	-4,5316123	-4,4440953
130,464181	35,8569917	1226,96444	37,267006	24,3787471	2,2452696	1,11438896
-0,037158	14,4362213	242,260015	7,87123601	35,6385086	-2,4516943	-3,38768454
-1,8518873	-0,8690116	-2,641955	1,60096682	-1,0057387	-3,2730531	-3,5861264
25,8928955	67,7526535	105,313919	39,652494	14,2001486	0,69080631	-0,05781355
-1,6689694	-2,4774881	-2,641955	-0,76217535	-1,3048748	-2,4824932	-2,5262099
-2,2437942	-1,3713035	-0,1875845	0,27646292	-1,9721373	-3,1248302	-3,1665033
414,551073	231,255151	13829,7824	433,952933	165,216162	61,9248675	46,1336282
-0,5428327	11,4136066	-1,35385854	6,19425481	0,15017849	-4,1584756	-3,7330342
184,885345	345,469358	4644,77079	225,937108	125,467568	33,3289225	35,4952342
1297,49568	525,305382	40435,8331	1093,36779	846,46951	316,75841	264,760881
-2,1082177	2,13887871	-0,1753175	1,91009468	-0,1838015	-3,1771334	-2,8450191
62,5286261	75,2198601	425,558413	66,8598007	21,5675488	2,95705588	1,69381196
-2,492162	0,04880379	-2,641955	-1,65756265	-1,34288977	-3,4986927	-3,2452062
3,38591135	92,2480615	342,544794	63,1151871	16,2560019	-0,5430119	-0,0919853
-2,37030079	3,28571182	-2,641955	1,74946293	-0,9728108	-3,8395066	-3,1065324
10,7724135	37,2284773	4914,92212	16,4776586	4,56607739	-3,6781062	-3,5956004
17,7236211	54,16608	-0,5288542	86,533471	15,4347226	1,05164432	2,49212375
-2,1487183	7,52366568	-0,5716847	4,0517225	-0,6285972	-3,0449059	-3,25905071
521,420984	441,405804	5933,92667	584,734811	249,35626	98,9836399	91,3874023
38,942039	5,03830572	149,811812	13,2328072	18,8056155	0,66609804	-0,2992646
3,38771358	-2,37955912	-2,641955	-1,0941043	3,76816354	-2,2724069	-2,2850667
-0,7768185	-2,318764	-1,0522466	1,23021008	-0,5186581	-3,3411188	-2,89352553
2,76383214	-1,8786076	-0,2203994	3,3224187	1,41339871	-3,39829435	-2,9597825
0,73585862	-2,4333915	-2,641955	-1,4980727	0,44016485	-2,5802891	-2,4695292
3,7787623	-0,0173252	150,529609	3,19456441	3,38447125	-1,4248644	-1,2447281
162,274684	-1,316578	3661,0599	39,1610633	117,887465	22,6773392	14,9014427
56,5323828	31,1935087	833,087359	24,9414064	10,4681761	-0,83982104	-1,1290436
-0,86786848	1,4420241	1,59403579	-0,36772	-1,3495514	-3,1269659	-2,8478756
32,2459075	37,4029718	155,071195	15,9338259	8,20040212	-1,6918463	-2,1796755
66,9867342	34,427369	3153,16316	20,5662	28,7415712	2,10470814	1,28452117
40,7593978	28,5400653	70,7792305	8,01264708	10,6174866	-2,2273558	-2,2275416
4,81501439	16,4074293	-2,641955	1,58214688	0,01867361	-3,1389486	-3,1266846
25,7060161	15,8127565	2214,02972	13,1787334	2,62224121	-2,9444673	-3,246755
10,341469	17,7183658	260,04299	5,50483276	-0,7065249	-4,01835455	-3,7099833
2,94599558	6,256284	1012,75736	1,65103832	-0,8086814	-3,79982045	-3,4322368
3,48033806	25,9147854	-0,2342749	10,8405135	0,26637165	-3,2356755	-2,73999104
11,2783403	37,7513457	-0,6301604	22,7904196	3,36516127	-2,6586438	-2,4498488
12,2359645	32,5670643	383,578807	17,900358	-0,0701672	-3,0549926	-3,02466504
7,21381503	22,9938965	-1,1856167	12,8334059	1,51219527	-3,9269018	-3,3794626
28,0594688	38,2288785	98,1597212	24,700765	5,67669908	-2,9509621	-3,102067
16,7025258	35,6798363	459,413094	14,4741194	9,97896135	-2,0827927	-2,46244206

-2,66821448	-1,0767847	-0,1282297	-0,84686555	-1,43699797	-3,587296	-2,8791502
-0,04374899	-2,189159	-0,5091347	-1,0079637	-0,0145207	-2,7367818	-2,7484386
1,79391606	-2,285982	-2,641955	-0,2502689	-1,3499271	-2,87045361	-3,2124169
112,86846	-1,0918534	-0,3704771	78,8009783	376,684163	101,43081	101,840901
206,080702	97,0642369	16485,8067	149,808434	60,908397	20,6796213	8,90208986
321,803219	19,5664295	27731,6342	221,630824	172,678093	86,7669143	58,4658066
278,744754	12,6989472	26023,4498	224,221373	137,891707	65,2774617	53,6523433
349,235726	-6,8798767	16218,3182	249,442475	134,542544	66,0992524	58,7606697
430,751634	-6,1835048	26280,8344	276,802832	168,962861	84,7528567	74,8566827
141,846081	80,5353856	9791,51454	143,322036	144,568741	45,9602602	37,7958566
93,2850738	22,9698491	19815,5975	80,0115316	106,22964	27,7279312	25,1320933
57,3537661	-0,0146133	18065,0438	75,4413941	60,1125855	28,0134596	17,957822
39,5566126	-4,0855497	18487,6603	38,4083355	33,8280616	12,9218135	8,02129192
8,29728905	-3,2330613	-0,8082474	4,76636341	1,36710856	-2,6308357	-2,6366717
-3,3818264	-4,8453257	-0,5167717	-0,5019434	-2,9663437	-7,5624456	-7,2131171
-6,7464904	-5,0356906	-0,9924073	0,01951612	17,4895284	-5,7413325	-5,2863191
4,42109194	9,24158884	502,262483	7,4702676	2,17677446	-3,0830432	-3,5664688
4,42687173	11,193942	-0,31063208	9,24952153	1,72810857	-3,3102762	-3,9412798
2,45334297	-0,46383647	-0,719271	5,21637959	3,97775753	-2,8683557	-3,2706589
-1,6404667	-0,583332	-1,0896144	3,85560719	6,51621811	-3,0111399	-3,497741
-3,9865849	-3,6379951	-0,2165454	6,77767314	1,26239205	-3,4506688	-3,4076116
-5,369192	-4,8109556	-0,316999	5,88183196	-1,5070803	-5,3439749	-4,1197609
-0,6749869	-2,873623	16181,756	-0,3468653	0,50113978	-3,5457323	-3,3667061
13,1092389	-3,4178941	147,477109	3,95516026	18,2804765	1,47727825	1,55554536
-3,9914072	5,34068253	-0,1269179	1,17651808	-1,3836096	-5,4139442	-5,1514028
43,055085	2,03090786	4442,21658	46,6728752	160,42068	51,4385312	38,1905973
7,19915021	81,71103	-1,3822124	10,0551979	-0,0307892	-3,8480727	-3,4665624
4,23548281	-1,9252504	-2,641955	-0,157943	-1,3991519	-2,959853	-2,6883811
3,49138555	-1,97957523	-2,641955	0,68746543	1,07569202	-2,9172475	-2,8442248
3,43518906	-2,3705574	1,82260956	-0,4585401	0,67521576	-1,8963757	-2,1001849
169,100155	-1,9881949	48,3040671	7,7469741	26,01949	1,74842202	1,45281121
-0,7558005	-3,7202261	-2,641955	-0,6202046	-5,2829274	-7,1575494	-4,9607347
143,960234	39,5557945	-1,0853378	96,4059149	43,270724	21,520828	20,0268242
-12,402865	-6,7366711	-2,0414617	64,1757582	36,4211027	17,1887512	20,1382231
22,5408819	-1,5358948	2707,15384	3,65781334	2,99348078	-2,9739373	-2,7710666
-1,5737857	12,7665614	-2,4734316	0,41910641	-1,5253055	-3,692229	-3,2099706
-3,3222222	-2,3946327	-2,641955	-1,8756386	-1,3458804	-3,797586	-3,0173341
24,5674334	3,62295628	1168,49927	6,70616892	8,97762618	2,82936641	-0,3615171
32,7604855	-2,5607623	-2,641955	-0,0358555	4,45084266	-1,4569157	-1,7972033
-3,3399065	-1,7488201	4,49750073	0,3785133	-1,1436782	-3,4901407	-2,9578968
NA	-1,8444266	63,6936729	1,33923687	7,94012474	-1,4571746	-1,6310088
-1,8444266	NA	-1,4419598	40,7921967	-0,2034503	-4,4520361	-4,6490392
63,6936729	-1,4419598	NA	-3,5763366	-5,8340379	-8,08177147	-8,76985574
1,33923687	40,7921967	-3,5763366	NA	4,33821484	-2,74082387	-2,74891511

7,94012474	-0,2034503	-5,8340379	4,33821484	NA	27,5484619	25,3096962
-1,4571746	-4,4520361	-8,08177147	-2,74082387	27,5484619	NA	426,603679
-1,6310088	-4,6490392	-8,76985574	-2,74891511	25,3096962	426,603679	NA
-1,0390721	66,8419292	-5,1338894	-0,4108575	5,28859464	38,5093249	29,4581603
-5,251258	-9,4197845	-9,78947013	-5,9836349	-5,0273599	1,8796116	-0,0468344
16,2435776	835,945235	-1,1511551	67,9675751	341,8758	646,061346	88,7928268
1,5170162	5,91340362	-7,5707501	4,31401857	21,6861649	90,5835286	64,6926217
2,04284252	13,6375885	-2,5324967	295,19952	17,0597821	50,7276547	29,4884644
2,75911439	9,68712113	-0,8941558	326,536092	26,7169269	69,1037766	38,3662349
-1,2007463	-1,3947613	-4,3621739	28,2519051	-0,1708401	16,0672699	9,76142539
2,68961103	29,2749178	-3,54061992	2197,34658	34,7661267	593,470577	205,190847
-1,4688157	4,80591403	-6,6249152	0,81192432	0,12146269	16,1294368	16,2073756
11,0896274	41,7700477	-1,5069078	4,51486189	34,7839345	113,724007	115,885724
-1,3286371	17,1313652	-4,6347191	1,84775909	-0,2092295	11,4696929	9,46863696
-1,8755192	12,6046456	-4,1737768	-0,9270712	7,75510546	100,505885	98,1322861
-16,007208	-16,727053	-41,698415	-15,0073905	-16,562132	-18,162531	-15,519067
-1,3215876	145,411354	-4,5109435	4,82480436	-0,7227409	8,75599763	7,28867784
-0,5958946	170,403807	-6,8088397	5,546891	1,5493354	14,8863547	11,0750053
3,68134141	-2,1567229	-6,7501263	1,64675965	73,1440376	164,673965	117,856104
241,46261	-1,4336808	-5,78791	149,601742	3003,56631	7755,38535	7263,36368
54,8008192	778,115087	-2,1156358	605,404115	86,9948287	863,621187	462,383559
77,1582403	-1,5464262	-6,9972114	6,17102754	328,408467	1547,7616	849,394605
-0,6836315	45,0118812	-0,4900634	-0,4956685	42,8362009	104,520965	87,5310608
19,6791598	1441,9733	-3,4006305	72,15376	17,7453209	-1,2539835	-1,3747789
16,7268851	157,683092	-2,8507947	39,6744789	41,268469	610,28421	587,918074
-0,5721189	4150,24477	-1,8188458	129,279715	128,553234	442,763081	916,607591
-3,3568189	-6,6480333	-11,060247	-4,1727748	-0,5387779	21,8050786	16,6203528
-7,1197997	-11,1140482	-15,829522	-8,5651011	-8,5615265	-9,5609727	-10,291759
0,05614099	110,615291	-4,48342751	4,35965683	2,21500051	37,6916726	33,161679
1,18634364	78,0619341	-4,4058573	15,2990054	4,59243095	110,663249	111,740684
0,56227826	32,0814785	-3,65892827	5,08776219	5,34778134	73,4251924	70,0747874
-0,4848799	16,5359582	-8,1992563	3,16894438	1,19482336	39,279009	35,0889443
-3,2576151	-4,3838035	-13,119204	-3,3878662	-3,5019043	6,61867001	4,21101065
-3,8294493	-6,7307033	-7,9136655	-2,8006607	-4,5142929	0,30119531	-0,4912948
2,32865434	19,4630861	-3,7238881	5,9280188	0,96915365	93,4830477	79,5461263
20,7339558	14,3128401	-3,0479681	3,00377323	37,1946046	130,876498	113,481981
24,055969	10,643403	-5,667333	20,5052747	43,0968557	413,572355	293,564296
90,2505321	-0,6535486	-2,1279357	151,073027	2211,20257	6585,29108	5485,87219
49,6426847	18,6916632	4,69616319	13,8724275	35,5774488	632,321842	301,837227
7,11575997	6,39835444	-8,0426744	8,01915321	7,7674147	67,4743718	52,3636306
17,6020908	383,241919	-0,2833114	-0,9990036	-0,7844661	-1,4949625	-1,5829966
-0,1685023	2394,36316	-6,1689545	-0,2390954	-1,0303129	21,6474407	286,687204
-3,3213382	-5,267932	-9,4737554	-2,739052	-3,6865905	8,85752196	4,95445243
-2,7902427	-5,3742278	-9,1333551	-3,2877191	15,6484691	203,887729	217,725127

6,47439499	51,2889144	-2,1205801	112,537534	129,219425	3145,02844	2640,1172
-0,822134	-1,0717449	-2,8910734	-0,50528147	-1,3584897	91,2743707	102,290893
9,71679412	12,8867654	-4,9055637	10,4138529	5,60629112	34,6658555	33,9495928
18,0796671	16,1360141	-1,7543715	8,57600865	107,415783	265,921177	48,9774888
70,164699	-1,0184658	-4,0540621	226,744821	5,15183246	1085,54455	483,08549
-1,7588786	11,1350712	-1,4366431	-1,2066075	11,0753756	22,3624845	20,0976742
37,1918663	0,18791464	-1,37404746	2,92014331	4,34120468	173,483386	84,6476393
8,46960117	-2,8615468	-3,4827823	4,73306481	14,3464443	129,646655	93,8170917
-1,0025832	550,57227	-3,5265481	56,7663285	-1,00988527	86,3408893	63,7230682
6,70231057	-0,783464	-3,4786683	2,56531687	145,379941	1112,10994	1022,03777
6,02648943	-0,7632869	-3,42625187	1,6631827	157,746622	1187,09831	1044,84765
-1,694657	-3,6191901	-8,6982147	-1,6878923	27,6111545	312,919021	313,751933
3,92670663	20,993665	-1,8319716	12,7861438	13,9103725	79,1090044	61,5027972
-5,8590077	-4,4832151	-11,02025	-6,2597919	-6,5537424	3,36071418	1,24211181
83,1509186	1282,99246	-3,2691811	-2,110558	-1,2870745	138,814673	126,582596
286,958426	-0,8941524	-3,3017624	-0,48930429	-0,30847854	151,139508	162,473391
1,88505307	27,5435822	-2,1117128	12,9954239	8,19063641	52,6403663	41,9878893
3,86824261	121,510476	-8,4053829	59,1688826	23,7222961	67,4632123	83,8785092
-0,7459106	79,4314303	-8,5064709	5,67696688	18,3389341	78,7679968	76,7452722
-0,3038404	56,8008881	-1,6530245	10,2919656	5,44062687	43,9250677	27,3687062
-1,9009449	0,55951148	-39,42226	2,26649552	1,88812962	50,7251487	49,2161615
-6,73434259	-10,348426	-14,437356	-7,3702923	-8,1199838	-12,157412	-12,035297
-7,4131408	-11,0953636	-18,904918	-8,3405008	-9,4287835	-13,7225766	-13,630862
0,80809217	20,1107078	-12,650455	-0,213171	1,66871006	46,919273	28,1647219
1,99178105	-3,5897178	-4,4081243	4,14474115	12,4519494	168,376684	113,54337
2,97718059	22,5206085	-1,1013115	5,41905032	13,3530726	133,660873	84,1522915
-1,9698818	-0,0628634	-6,5988869	-1,8706456	1,30329824	17,2123604	15,9881312
-3,2394675	-5,3243828	-11,772522	-3,4655607	-2,6948092	10,0214306	6,49735731
0,10055213	412,049519	-1,8856933	53,6294176	27,3469374	160,445937	103,968501
0,80349832	0,74085339	-4,9369955	3,60954931	31,9631382	145,1549	118,021289
-0,7400071	381,273982	-2,6374895	-1,3507911	48,1966444	510,984068	438,392313
6,7870044	13,0822918	-1,2867258	7,68622969	91,4056424	401,941386	342,341357
-1,8978429	2,86757905	-6,6951019	-1,6225075	-0,8560431	15,3298089	12,0556734
-21,786953	-27,414244	-60,051533	-23,358547	-25,952607	-25,489174	-29,0906
-24,372357	-30,570049	-86,271257	-27,431267	-28,879704	-27,958049	-30,647287
0,20818658	21,8788554	-3,578244	8,36299003	3,0580026	65,1074201	62,5246075
18,2524936	19,125941	-4,0943269	16,6408538	655,410198	2148,6036	2087,36467
-1,2669322	459,391394	-1,10769128	10,670411	6,4991618	19,509142	6,7777381
-1,4357189	38,9063621	-19,0026	3,45471001	1,5087298	33,0171473	25,1091991
4,57017943	-3,1794094	-2,0482888	1,90751718	14,0919412	120,260038	86,7250265

Iso1.898_Kr	Iso1.901_Sull	Iso1.CG1677	Iso1.CG8478	Iso1.CNC-16	Iso1.CNC-Ad	Iso1.CNC-Ad
-1,5251954	-5,4126956	-0,7852581	2,15833727	3,11377672	11,4302884	-2,119563
-1,9252266	-6,9369724	34,8815911	4,69096714	4,31456654	0,45767525	-2,9619746
14,6962455	-9,7627453	373,040117	99,0212462	115,26822	198,509486	30,9027851
43,253267	-7,7941409	501,639981	11,1776694	7,95901294	13,0249074	-2,5305867
-1,4355892	-5,7485365	84,7070892	8,07837051	15,7425013	30,7611891	2,51578366
101,470853	-8,78107013	457,829036	34,8513274	53,8672308	53,276683	6,94411722
-1,7510744	-4,4847094	11,3943503	20,7115949	1,79845185	3,55285858	-2,0591748
-1,1217515	-5,10151848	-0,525719	-1,32459857	-0,8570355	-1,0147558	-2,746294
483,473239	-10,84811	8513,91626	623,411344	645,330908	662,60448	99,190333
49,3244337	-7,8631535	540,310018	2,39107184	-0,1401286	-1,9730342	-2,4600276
610,078034	-6,5957096	8360,0808	666,514091	493,827446	497,748403	89,5896886
1060,75473	50,6298868	18464,1838	2739,13013	2156,02614	2591,14269	453,530959
11,5242007	-5,4903941	-0,6857366	-0,31042	0,11435325	-0,7143658	-2,8309643
212,849139	-10,481626	2297,46924	161,687973	56,5354883	79,355359	12,3154225
12,2324109	-5,1410371	-0,3040865	-1,3777526	-0,9133804	-1,0050403	-2,4644196
165,762687	-10,264558	2992,03334	58,8188159	56,1954824	82,9590688	7,60483246
15,2739073	-5,5111558	41,8607842	-1,3804784	-0,8544906	-0,6367914	-2,7430088
60,5614436	-8,6273672	100,403729	4,91998756	18,4601728	19,9262484	-0,2324037
124,643843	-12,117599	134,404513	78,934402	121,528677	198,860204	11,0634368
32,3024074	-5,61807858	48,8831325	-0,3299262	-0,1962118	-1,6057566	-2,63265519
838,085687	4,9656196	4273,58395	985,068779	827,586799	902,879598	166,174561
16,2140191	-7,9162588	1167,6771	82,9928731	48,1295985	50,7385594	5,5192498
-1,56716203	-5,4195776	-0,5102732	3,8985054	-0,3660449	-0,97549	-1,8935283
-1,6905783	-5,8437555	-0,7828407	33,2007923	3,13129426	6,28880652	-0,1749373
-1,6518274	-7,2091481	-0,8999041	62,4085855	23,0396507	34,4376622	1,58098193
-1,5312547	-4,7359272	-1,1511551	5,53112917	-0,5514052	-0,6245448	-1,6875909
2,84571615	-6,2807561	580,479896	29,9701261	8,19799404	5,808439	-1,6224668
23,5702158	-10,975555	1942,60562	171,999596	118,22103	108,095742	19,4813109
5,35831443	-9,7737496	770,465525	85,3934413	49,0670064	29,7849502	10,5743121
1,73168321	-5,2171703	212,340206	1,11126897	1,11355842	3,4704211	-1,9395663
21,065071	-8,59292595	978,519165	40,057517	22,5354033	15,2936915	0,34263357
13,4442877	-9,32903905	1074,44424	99,1243885	45,1891988	52,4082465	4,84958178
3,45027574	-9,0857708	520,868531	65,1994145	40,6180283	12,8170413	3,12876104
2,21564249	-5,9041929	149,751665	4,6716345	0,57770316	3,38497001	-3,0700116
5,72484212	-7,39497817	307,389073	21,6955694	36,0292907	26,9697315	1,83255601
3,69213674	-7,3226975	249,942679	7,49489338	4,15440955	8,44499769	-0,8996102
0,34186819	-6,3438069	162,644159	2,19531724	3,92520314	4,14282618	-1,6449161
11,5484119	-6,6988827	32,1270918	5,13674522	9,53711071	11,8834533	-2,135433
22,5767218	-7,774992	296,43657	26,5556268	11,7199697	8,09811528	-1,3880687
9,76536091	-6,2300588	426,619096	10,9300406	3,60778459	1,3485513	-1,7538606
31,8788284	-8,4255966	208,049924	17,9919864	9,65365418	6,48283816	-1,8942989
23,5678318	-8,8882688	632,11412	31,9225146	17,1996299	8,89710603	-0,2836781
11,8603808	-8,4229226	250,446033	41,22917	11,3852441	7,95324016	-1,5045074

-1,013398	-5,7647855	-0,3478202	1,37480133	0,49285167	-1,2480649	-2,3546153
-1,6250305	-4,5041333	-0,2256861	4,26187885	0,40500248	-0,0757206	-1,7851687
-1,523996	-4,9868959	21,7934103	41,5592143	2,17554694	1,68107633	-1,183816
26,5138332	43,9666578	322,455875	115,475562	67,3852257	111,163671	21,4954897
93,3626594	-14,059883	2012,9705	194,844338	203,257975	288,123704	46,5134801
102,887671	-11,739398	2527,20234	597,377371	634,750248	670,990547	118,421364
77,0712814	-13,424185	2690,92144	451,898384	630,718979	625,482465	107,745992
41,172022	-12,774322	2612,54129	217,194091	966,513052	903,974096	178,83747
50,7957945	-9,4946052	2153,05369	277,284319	1076,25343	1020,17651	213,869179
91,2530402	-12,204251	1338,299	129,98429	206,720594	239,204381	43,524478
62,3156508	-10,783455	870,912803	255,482762	142,601575	133,671254	20,5342744
15,68895	-12,694779	459,453301	47,5092326	262,468462	298,968154	37,3723255
13,5326663	-11,969866	155,928164	28,2473561	172,065948	166,553122	18,1474929
-0,7986092	-7,1737667	-0,5837889	3,77120153	14,3151757	15,8256457	-0,2117941
-2,3455134	-11,922647	-1,1261901	-3,0455222	6,00408129	3,86173218	-4,7005609
5,016242	-12,355246	291,561772	1,80633402	1,05907809	-0,9187145	-4,9038002
14,0421641	-9,9826335	331,01455	4,69207412	22,4783365	13,2596503	-1,2272235
11,6752258	-10,331541	351,655902	11,9631711	3,78960984	5,4114632	-1,8634001
1,06002462	-11,544874	106,09636	5,66883947	12,1971681	16,3344349	-0,822746
3,31678772	-12,120859	257,295639	5,75312994	12,5508943	16,1823764	-1,7841248
-1,4531422	-11,0490113	212,948604	1,29515443	27,4995229	19,254253	-2,1171684
-2,8806292	-11,70213	-1,1581224	-1,0628573	35,6353242	19,1460778	-1,79419786
-1,2130758	-7,14351294	95,3062952	3,77959314	4,36567577	4,37891671	-2,2797947
-0,6164747	-4,90289048	-0,686073	18,9392685	2,39647823	10,1160113	-1,5767891
13,0285186	-9,1024122	65,8390399	2,19296775	1,50637363	2,11708701	-3,2830382
34,0209884	189,358929	11,4690473	58,1010213	107,355104	151,122053	19,5081652
14,222791	-6,4587993	119,938617	3,83125215	4,88321957	2,92152493	-2,5025682
-0,5692147	-4,8964733	63,9799728	-0,0106254	-1,1406702	4,94550365	-2,2245338
-1,1660607	-5,0195223	407,314468	4,32971096	4,79196914	7,96373899	-1,980193
-1,0724427	-4,5256931	28,9654897	-0,7085238	0,26048259	-0,4340192	-2,1393825
1,79117021	-5,8836396	14,5765698	19,1297774	16,8830323	9,34287723	0,49731783
-3,2250641	-7,9995722	-1,1511551	-3,37159261	0,41579743	-0,9596666	-5,0573181
41,2933714	-8,2017972	603,379748	79,3564558	233,118666	269,571068	43,2373842
6,55031098	-5,921815	93,4364112	40,3583683	361,782266	255,582989	24,6322385
-0,8574607	-5,90351902	406,486019	11,3881634	36,9950294	21,6933926	1,38954384
-0,7609757	-5,1894206	-0,2398971	-1,2929564	-1,0552206	-0,9789678	-3,17572181
-1,6916063	-5,4963101	-0,4489402	-1,5521322	-1,1806162	-1,6393061	-2,6745747
4,70010057	-6,7521275	-0,3668812	2,79418344	4,13682375	5,9976047	-0,5909634
-0,5999429	-4,9971989	-0,2800561	-0,4361976	2,53671769	1,6077696	-1,45596885
-1,0865176	-5,2977503	-1,1511551	-0,8762805	-0,8820123	-1,0426788	-2,27259677
-1,0390721	-5,251258	16,2435776	1,5170162	2,04284252	2,75911439	-1,2007463
66,8419292	-9,4197845	835,945235	5,91340362	13,6375885	9,68712113	-1,3947613
-5,1338894	-9,78947013	-1,1511551	-7,5707501	-2,5324967	-0,8941558	-4,3621739
-0,4108575	-5,9836349	67,9675751	4,31401857	295,19952	326,536092	28,2519051

5,28859464	-5,0273599	341,8758	21,6861649	17,0597821	26,7169269	-0,1708401
38,5093249	1,8796116	646,061346	90,5835286	50,7276547	69,1037766	16,0672699
29,4581603	-0,0468344	88,7928268	64,6926217	29,4884644	38,3662349	9,76142539
NA	-6,9821657	282,324855	15,2345304	2,37892301	-0,1712992	-2,7361885
-6,9821657 NA		618,902517	111,942066	199,215163	302,019104	36,9968928
282,324855	618,902517 NA		-1,3413148	-0,9875811	-0,7495057	-2,1410954
15,2345304	111,942066	-1,3413148 NA		42,3058139	70,2050558	5,00592598
2,37892301	199,215163	-0,9875811	42,3058139 NA		453,913218	17,7140534
-0,1712992	302,019104	-0,7495057	70,2050558	453,913218 NA		18,7086074
-2,7361885	36,9968928	-2,1410954	5,00592598	17,7140534	18,7086074 NA	
22,7196529	495,887427	-0,3593937	77,0066071	1946,81612	3300,58099	4141,89396
1,43791499	45,7833821	-1,8353617	56,807177	-0,39997232	-0,831405	16,5336347
39,832596	116,408365	4,15727603	136,821504	4,44938048	0,79411077	54,2913858
3,21729238	18,7829791	-2,7012317	45,7790008	0,82886456	-0,0984916	37,6916971
1,76416217	49,8644776	-1,013093	14,6446442	-0,4463643	-1,3674681	6,04695243
-16,305108	-20,569656	-13,688017	-16,238839	-14,132834	-13,241315	-16,707998
32,6604171	4,11382841	-1,1690549	0,56512606	-2,4129009	-2,2506623	-2,6355487
10,5986908	15,0263739	-1,12386828	6,41001298	-1,7507495	-1,5318771	7,52668027
2,20595696	347,043867	-1,8538894	10,5306963	-1,3647602	-1,2842754	23,2797597
192,013687	4622,61632	-5,78791	831,315862	19,6968182	-0,9203752	444,952773
311,933856	145,729233	-0,1239383	71,5176191	-0,5985103	88,7785663	597,718816
33,5481308	59,196999	-0,2388323	237,539214	-0,5340866	30,5025076	406,289622
153,011372	111,226289	-2,1763539	847,717315	33,6989179	4,16030336	241,393287
86,0965778	455,409008	1,43712981	22,524383	2,11515027	-0,5502601	128,321926
-0,4891495	439,401346	-1,13449	491,243143	22,6147888	12,7086992	656,68202
950,437217	2570,05943	-1,8188458	434,167562	-0,370834	-0,3616015	-0,6280787
-4,8981195	387,179743	-3,9702861	-4,607958	-3,3823574	-3,2848749	-2,3815486
-9,479772	106,825009	-6,4049893	-9,73093266	-6,5313271	-6,2799852	-13,08443
21,8075011	44,4577164	-1,3468721	12,5434886	-0,8750607	-1,2242519	24,4639763
6,70669097	261,889796	-0,7782109	32,9505717	20,7756785	2,25851851	179,141989
16,5502299	269,681485	0,64954002	32,7181479	5,34137836	1,63882344	90,230235
9,13491798	96,4895749	-1,387027	17,270347	1,11808636	0,6656155	61,7857584
-2,7674189	27,5897165	-3,8263701	10,7126783	-2,4993127	-2,4567374	13,2937938
-3,8305519	-6,5226023	-2,7885914	-2,6619966	-1,0533633	-2,4489005	13,4461572
3,14916675	33,8082048	-1,43459	145,402248	8,87195359	8,13463889	210,194773
18,0454532	112,750124	-0,9524534	219,37109	4,08047247	3,4130909	87,5307471
12,4747149	24,5512525	3,59460736	-0,3435566	2,64101834	0,89534354	-1,96589909
59,7848047	15267,6879	-0,1735363	996,710103	-0,4912797	-1,73083197	944,818911
83,5665388	237,459393	2,72399476	277,638991	29,9726412	20,462513	584,338111
28,9641965	51,5114433	-1,1728515	92,8507304	4,79369453	6,22928594	132,195213
-0,8475128	3509,40823	1,22678666	3071,58684	-0,2332815	-3,3664609	-1,0972786
-1,7167835	1023,4663	1,45307887	877,761733	-0,7857766	-0,3465249	-0,580809
-3,8591831	14,1981196	-4,34737968	5,00702455	-2,6064055	-2,7083991	16,8795291
-3,8139526	62,1433008	-3,7774061	-2,9911147	-3,2954596	-3,4514269	-0,9924224

36,3285457	728,474611	6,95562438	246,302497	122,642261	144,948426	813,148136
66,6085473	652,006244	33,5367907	301,187919	-0,6487964	-0,7009019	18,9942952
8,63234492	133,287085	-1,1929154	144,431195	13,3527435	12,8859217	162,138691
46,1683521	357,497381	-1,7543715	1161,71846	61,42536	102,856388	850,087288
26,1863573	2671,27016	6,96694188	1938,86314	68,37265	14,6769966	906,077949
6,28506996	186,731004	-0,2641835	21,752824	0,68116126	-0,4056585	66,2559292
14,1163061	1015,23163	-13,483768	223,247923	-0,992844	-2,3421448	112,545869
3,48558823	740,898543	-0,8128342	209,605955	1,62716609	2,75916003	98,949229
298,228791	72,5152942	-1,8337458	4,81849233	-1,2546606	-0,4654024	-2,3226708
4,36199798	301,215227	-1,4866835	13,6210558	-1,3272126	-1,1206313	15,2335577
6,80179705	236,882562	-1,8374077	16,2064171	-1,4014479	-1,4362238	13,8581421
-2,4436123	69,4017492	-3,21173237	-0,9519654	-2,7419831	-2,5667794	3,67274849
10,5964022	140,923843	-0,0790596	520,27295	22,5905363	16,1479218	219,321772
-6,3174247	-5,7379174	-4,7650556	-7,4753282	-4,3183076	-4,1124552	-5,760492
281,892045	238,497649	-0,3924693	97,1627899	-2,8012615	16,7031572	208,908044
-1,2081281	323,720058	34,9001317	1851,71943	-1,1288135	-0,5149008	442,700749
21,9218972	62,5188073	-1,2458464	73,2671229	1,72333544	0,07232507	51,3502815
20,2508958	379,311088	-1,1528503	446,429843	24,2135921	15,2242225	726,16645
16,3687251	63,424829	-1,1664032	8,73921789	-0,8203129	-0,8213676	14,1080496
13,1360203	57,7526069	-0,8625268	12,4263428	1,38207118	1,69959352	38,341931
1,75902914	169,622948	-1,6030614	3,5192378	1,55992711	-0,1207619	37,290702
-8,3677994	-16,908304	-6,121407	-9,0922971	-5,4606974	-5,5276737	-9,7745302
-9,1320093	-18,003684	-6,1921816	-10,104574	-6,0896829	-6,796084	-11,174963
6,84802825	16,9383328	-3,4677623	9,09010722	-1,6284367	-1,6054086	19,1195259
3,15292918	9,66809244	-1,6643704	15,140997	1,19707145	0,57785933	37,6360563
41,3374941	192,612776	0,75857169	84,2838546	1,47153565	0,05649084	15,8242008
1,46475699	33,8008224	-1,6599903	8,77051822	-2,05315719	-2,0445713	-3,19794972
-4,8274408	36,2733958	-3,3396797	10,6992488	-1,9391683	-2,4074997	17,0669238
205,571754	106,20407	17,8048373	38,5045535	20,9270025	6,16860637	64,7634589
6,94532338	346,911794	0,8132232	401,683646	4,48975048	1,57816141	67,493267
180,789474	1330,27813	-2,6374895	180,631684	49,386949	-0,7814181	247,326443
4,20219766	269,738561	-0,5872389	104,673664	3,70699465	1,98679166	127,556801
-0,8252047	118,640475	-2,0944319	5,10400487	-0,7876276	-1,4850056	1,02534457
-28,451946	-31,123393	-30,203811	-26,823939	-27,0096535	-21,599674	-26,323061
-28,528314	-30,53433	-21,962493	-32,066577	-26,568107	-25,383533	-33,088209
8,59143244	165,288	0,40316395	85,3178928	8,46088748	5,90722746	91,2993169
137,755456	1028,06079	-0,67248578	56,7956192	-0,5879886	-0,8118941	40,8670421
189,108784	69,0962312	-0,7764576	5,34276823	1,00717057	-1,4954594	6,4597685
2,51284521	13,4927436	-1,4598392	15,2923861	-0,5416085	-1,0107985	20,2882132
1,44271915	41,9182266	-1,52116543	5,47416292	1,05367519	-0,415848	20,8888967

Iso1.CNC-WI	Iso1.DII-WPF	Iso1.Fru-0-8	Iso1.Gro-WP	Iso1.H-0-8_h	Iso1.HP1-8-1	Iso1.Hth-0-8
56,9385423	-0,6763048	19,8247846	-0,7774398	5,04743912	-12,950621	-2,3003826
17,5893558	7,03655314	16,993061	2,02301541	31,9222831	-13,192718	-2,9805977
492,242281	7,85502625	34,7987009	30,9635992	3,65733666	-16,2234451	24,3900793
-0,9841376	3,8764557	1,43605908	4,32459841	5,87195532	-16,052077	42,9764312
59,6679491	-0,54927294	-0,8391934	2,82161825	-0,4729357	-11,450868	-0,3183313
308,569386	8,20586105	47,3191548	17,4558834	11,3470245	-17,095556	109,612024
-0,42407692	3,94149306	7,38716313	2,54570523	1,94463415	-12,297805	-2,2134275
-0,21261925	-1,2931469	47,4174979	-1,9370023	13,235016	-11,2891709	0,41157321
2803,7297	196,373049	1566,97979	208,089679	462,862206	-18,587336	473,355926
-1,2177401	3,35717567	63,0888492	0,05628934	19,8907879	-16,298497	26,6675385
981,143799	330,427809	1815,67157	250,250836	554,701461	-19,080954	691,959503
6618,05507	1104,92162	5182,81308	889,190513	1582,49163	-11,634373	805,172513
2,09543198	-1,9562809	8,31965837	-2,2457338	7,37708383	-14,456813	10,3748617
156,84723	39,0728545	391,500821	38,2675126	66,2349034	-16,39596	121,999919
-0,1877415	-1,6944607	1,72238387	-1,7821491	1,66691931	-14,924091	3,40928888
146,892427	49,1130623	208,211924	28,0224376	84,4051518	-18,051237	198,179766
-0,95436037	-0,3005561	8,81825637	-1,083117	3,27897714	-10,932523	9,84755593
82,2176817	3,91557166	41,7326729	3,54822577	17,033366	-15,182075	63,3350504
393,595771	61,8509357	383,76444	26,7945347	254,457573	-14,336212	130,172299
-0,6484174	-0,8915053	6,8015173	-1,0466674	5,71815863	-12,352256	13,6417491
2162,34409	455,984873	3297,40921	280,429371	856,121948	-16,132727	730,003835
271,700037	27,1603967	126,146031	24,9787486	32,3415759	-14,856411	12,4160983
-0,524756	-1,6240705	0,76110247	-1,5597239	4,20065717	-10,68556	-1,8579237
-0,6193814	6,7487889	9,35697907	15,3364431	0,17944897	-15,384371	-2,3157715
21,656102	24,6109181	18,8668418	36,3385429	1,18024478	-16,676918	-1,0128876
2,22787355	-1,43188656	3,67067681	-1,19742795	0,46159699	-12,908439	-2,1145856
11,8982458	5,23843807	28,5582819	9,78978223	27,5746884	-13,091629	13,904974
690,38914	40,9447728	505,591168	41,0255798	89,7691802	-15,584943	7,55608609
70,8779771	11,0321847	27,9854477	24,2712165	6,06299793	-16,290544	25,9442727
4,4304273	-1,6551433	3,29099634	-1,6913672	0,01749715	-11,634302	6,9733621
77,8248559	6,88514835	107,979535	11,1202499	30,218111	-15,874473	91,4611402
61,0062202	27,5362635	176,969466	28,0473394	40,4797752	-17,932786	54,9327483
54,3657197	10,6839281	101,869646	22,0860069	12,9385393	-16,249916	30,5431915
12,478646	-0,7506925	7,82871885	0,83573455	2,38626912	-14,690532	18,2116425
73,1803321	4,30144323	33,4702021	9,9982779	2,0427485	-15,431671	10,0137246
21,8217471	0,40094469	15,6357101	4,41750888	2,99058837	-14,7497389	24,1747716
-0,5950301	-2,034432	6,08362231	0,50965612	-1,8314303	-13,534281	4,63586497
59,5443502	1,5899698	38,4087338	1,35094148	10,7301352	-15,094614	52,4974823
37,6124288	4,09366155	74,7893506	6,81444542	15,5209985	-15,000077	89,4542503
2,60838613	0,58036227	66,442961	4,06662617	6,30516179	-12,708611	64,533755
63,1854302	4,60167503	56,5303256	4,06984011	20,4905266	-18,599406	67,1082094
51,169875	6,79938662	66,9657649	7,79375029	27,5704394	-17,144754	101,898258
55,8404286	8,07429266	49,8194523	9,17529347	29,6647658	-15,091412	80,9468181

-0,3768945	-0,9525837	2,19708219	-0,6146168	7,66282361	-9,9413329	-0,1486947
6,46897524	-1,1641487	0,94315615	-1,5781671	1,96397009	-10,657656	-2,104672
1,34127354	4,75090276	20,1056483	3,90667836	6,41492628	-12,111256	-2,0690944
191,29434	20,0373303	133,784013	11,1319233	43,5418178	-16,844886	2,19302367
1346,96588	69,1293332	245,886509	108,009622	64,8859723	-15,544444	109,606324
3856,43876	106,230408	1336,13021	107,009163	235,161224	-19,38563	47,7249988
3365,94192	85,0027743	1303,81241	88,4450574	257,559891	-19,061827	46,448215
5375,2977	4,77248906	2072,00313	13,1244887	417,994892	-3,5141674	-1,0654608
5102,46287	6,86170624	2355,68052	19,3963643	465,99815	-1,136648	-2,0453439
1047,2435	50,7791344	323,449785	86,6610962	50,2142727	-15,819008	88,9067699
377,849389	87,7564724	363,257775	48,059453	100,922103	-18,757473	76,4231626
1840,5071	1,26102434	216,051018	1,82087692	35,8752178	-18,065198	3,58452631
925,12174	-3,7989321	140,777157	-2,9351361	8,25407991	-15,623265	-0,1032507
63,6136547	-1,5995028	32,217031	-2,3165839	1,11105898	-14,340097	-1,2954269
-1,401196	-2,6601787	1,96274645	-4,826723	-2,9328325	-16,152662	-5,4639555
-1,5785432	6,79422145	69,171506	-0,780896	19,1010626	-17,773288	-2,7905542
86,4482615	-2,1046051	19,5264576	-2,8984308	2,31670935	-16,675537	22,6003499
-0,6795339	3,74841315	57,8453184	2,78209628	7,69284476	-17,226059	24,5302295
80,8411319	-2,3144864	11,1223826	-1,8210515	-1,4696469	-14,0066949	2,24218178
32,4316753	-0,9195551	28,2399952	-1,5743051	0,32801919	-14,131198	5,09239097
159,655281	-2,85071852	33,477326	-3,8431062	1,08356706	-15,871525	-1,8016455
114,692942	-4,4509946	34,7318128	-5,2916438	6,28350315	-20,681652	-2,8402241
28,3311136	-1,5457886	6,44237763	-0,6573572	1,02733514	-15,797915	-1,77273193
-1,1050943	2,46234238	11,6256581	-0,1344507	1,87655839	-14,997583	-3,349015
-0,6095288	-1,9060586	10,2562463	-2,5344642	1,78240501	-16,4573611	12,1887831
337,535084	21,6930837	100,804721	9,78986101	28,1596604	-19,2292089	5,62040665
33,2105428	0,20407868	10,5137422	6,00628069	8,3138262	-12,3904199	40,3013273
-0,1963386	-1,8228877	56,4800776	-1,6738343	1,34330289	-10,8470415	-2,2464495
15,9233451	1,08205042	27,3947816	2,11865276	-1,3459968	-12,96167	-2,8465047
-0,2775971	-1,5561537	10,7720422	-1,8104087	-0,81846077	-8,63134145	-1,86415
46,1893499	-2,1775708	18,6473411	-1,5692113	3,11834114	-13,835732	-0,7010053
-1,157652	-3,3037853	-4,6870489	-6,791776	-2,6413056	-19,705493	-4,2526941
1694,23914	61,035505	312,967465	55,3856275	104,984188	-13,609408	63,6654873
833,858389	199,292155	1140,4837	52,5286426	808,850866	-21,040917	-4,8088211
20,3299411	7,92840905	16,5287183	8,72531569	2,66345048	-15,456309	-1,9405344
-0,2313662	0,75152561	-1,6789197	0,50966641	-0,0157055	-12,868788	7,05958933
-0,2825082	-1,9657485	-1,0915669	-2,6165485	-1,6444545	-17,3541351	-2,9320099
51,3642657	-3,1786017	27,0011524	-2,1150108	4,08374886	-12,260399	4,98765456
105,610505	-1,9612945	-0,9296258	-2,4237331	-1,570443	-11,322566	-2,5151672
-0,1981163	-2,4848372	-1,0530282	-2,606997	-1,16790896	-17,332961	-0,92449906
2,68961103	-1,4688157	11,0896274	-1,3286371	-1,8755192	-16,007208	-1,3215876
29,2749178	4,80591403	41,7700477	17,1313652	12,6046456	-16,727053	145,411354
-3,54061992	-6,6249152	-1,5069078	-4,6347191	-4,1737768	-41,698415	-4,5109435
2197,34658	0,81192432	4,51486189	1,84775909	-0,9270712	-15,0073905	4,82480436

34,7661267	0,12146269	34,7839345	-0,2092295	7,75510546	-16,562132	-0,7227409
593,470577	16,1294368	113,724007	11,4696929	100,505885	-18,162531	8,75599763
205,190847	16,2073756	115,885724	9,46863696	98,1322861	-15,519067	7,28867784
22,7196529	1,43791499	39,832596	3,21729238	1,76416217	-16,305108	32,6604171
495,887427	45,7833821	116,408365	18,7829791	49,8644776	-20,569656	4,11382841
-0,3593937	-1,8353617	4,15727603	-2,7012317	-1,013093	-13,688017	-1,1690549
77,0066071	56,807177	136,821504	45,7790008	14,6446442	-16,238839	0,56512606
1946,81612	-0,39997232	4,44938048	0,82886456	-0,4463643	-14,132834	-2,4129009
3300,58099	-0,831405	0,79411077	-0,0984916	-1,3674681	-13,241315	-2,2506623
4141,89396	16,5336347	54,2913858	37,6916971	6,04695243	-16,707998	-2,6355487
NA	-2,1344339	-0,7385068	-2,2070884	-1,7271369	-13,140122	-1,9459893
-2,1344339	NA	93,1712544	153,472268	74,838532	-16,607668	4,63216762
-0,7385068	93,1712544	NA	-1,0902915	5,80711348	-12,452276	-1,3936224
-2,2070884	153,472268	-1,0902915	NA	59,2149057	-18,416474	20,9442144
-1,7271369	74,838532	5,80711348	59,2149057	NA	-14,423189	3,09867055
-13,140122	-16,607668	-12,452276	-18,416474	-14,423189	NA	-4,7370491
-1,9459893	4,63216762	-1,3936224	20,9442144	3,09867055	-4,7370491	NA
-2,5961827	11,3598206	-1,3481571	46,5003632	1,47330613	-6,1440441	165,487285
-1,8245674	1,60420819	-1,9680236	8,17552882	2,14991243	-2,21386846	-3,0949946
-2,8951573	-0,8228276	-0,7589443	184,175583	49,8366509	11,8720929	46,3275419
-20,773378	382,341413	69,8124911	463,758439	68,9535753	273,205723	263,77015
-1,0864363	16,5611808	-1,4096316	-1,715698	90,3545463	559,622938	-1,0475885
12,9264781	422,891581	4,39573837	2112,01626	15,5460096	-3,6764097	72,5024326
-0,6398719	168,190331	137,768953	794,897907	2141,01285	4051,75531	846,752802
33,1140297	863,059838	-0,3390663	1843,46714	460,643754	3,75536382	33,6318098
-1,8188458	2438,10332	-1,8188458	3821,69127	3723,11064	-16,520356	1744,58771
-4,4967881	-7,1739654	-4,1368016	-6,5223007	-6,0490119	-5,8245768	-6,998936
-6,7598288	-13,03931	-6,0315502	-13,597691	-10,794103	-10,9085385	-10,644819
-1,3098045	11,244978	-0,2577114	47,4491486	7,16994122	-2,325792	114,781338
-1,138058	37,1741171	-2,2408886	187,287599	9,49425777	44,5259419	51,094866
-0,0772463	32,106928	3,12388632	235,205144	60,1800473	154,719807	13,9777165
-1,2069548	39,4795685	-0,8812162	118,589104	7,09583574	14,5373124	10,7970198
-3,7181908	18,464835	-3,1051997	34,1516986	-2,7408569	-7,0325929	-3,9981826
-2,6658789	-6,083196	-1,7300723	-3,2051735	2,27489187	-3,5408994	-5,4696894
4,82143025	47,4179702	1,13948371	348,001235	6,49342158	0,95953004	12,209528
-1,0022317	440,08155	10,3738666	706,560241	30,8986094	12,4295549	15,8221822
44,739133	-0,9098867	0,80983842	-1,3924584	1,2089503	-12,120311	-1,9110641
-1,3008248	-0,6503988	-0,0945945	45,2039175	36,4382327	3158,92264	-0,8392943
4,78034953	165,079992	49,6854825	430,909165	29,2370379	-40,13166	14,8099059
1,54543539	46,5737507	5,81669385	175,041995	3,81201434	-1,6435022	12,5140522
-6,8052897	133,582381	2814,72141	2704,59924	1859,46141	-2,2139231	1107,67662
-0,06573713	224,929978	4372,34928	1457,06071	534,392768	3192,02309	2268,19693
-3,52259054	3,2048452	-3,3754793	19,2441552	-6,118925	-6,9574144	-6,42047835
-3,8482427	-6,0579725	-3,2625773	-4,3736357	-3,03816935	-5,5911855	-5,7626658

-0,5804776	385,638114	14,6035558	1026,41463	2031,76698	342,521476	61,9586544
-2,8910734	211,88872	-1,9686592	403,381373	369,376141	252,146886	-1,54430228
0,30437626	364,965031	3,71424825	597,423494	15,6130514	7,39965799	1,73577072
7,49544883	1848,98021	41,4192112	1710,26738	752,194442	108,143697	6,99305659
-0,7938981	275,886321	84,3779121	1152,43045	489,281791	856,438603	-1,8015857
0,21995858	40,0417972	-1,2357203	67,4194367	44,6238625	-1,4849725	17,0600911
-2,8299882	28,9437959	2,24413283	87,3914242	133,552822	526,785012	-0,6835355
-0,9017339	81,8033529	2,17667081	157,023773	28,7856246	28,3965514	2,97383813
-3,7678741	27,3519956	-0,4114231	87,645264	129,176861	-6,3308979	810,484648
-1,7694372	2,20564606	-0,9238881	2,72819024	24,6770026	-1,3103056	0,52707412
-1,6747225	5,9526192	-1,3215691	5,69739163	24,8554934	-0,5922436	3,38531069
-2,7465468	-4,4035803	-2,7895289	-1,3909095	0,04831308	-3,5666947	-3,93704893
1,04469545	164,093464	8,01476809	413,642195	30,8421359	5,72850625	29,2275695
-4,0168242	-9,8108918	-4,7998915	-9,4134238	-8,10896191	-4,7707153	-0,399826
42,6820692	106,118177	-3,1702679	224,808875	247,780976	5479,99852	862,146556
-1,2459518	-0,6951126	-3,3017624	927,068856	217,747341	1049,08915	179,098638
-0,4376315	39,2845782	-0,0288354	160,820669	4,408995	-31,255971	29,3111527
1,43405625	273,12141	-0,4744249	1558,23146	25,0342516	-3,7913624	50,292791
-1,7125823	24,478006	-0,4502668	76,6117485	9,91803161	-3,197306	51,2042086
-0,6941647	32,626507	-0,0483319	132,574574	9,71870995	4,9907882	43,7946255
-0,5103474	27,5216603	3,66335452	27,09606	57,1016247	3,60997818	4,33649179
-5,5918632	-11,576005	-5,4565993	-12,152586	-8,3385258	-9,3094757	-9,7572278
-6,8785806	-12,75679	-6,0197848	-13,821687	-10,072211	-9,6973762	-10,1771222
-2,7822575	-3,7753612	-2,17957458	10,6253051	-4,49308133	-6,0602609	10,8885253
-0,296826	-1,68250905	0,1812025	3,48816491	7,76729876	-3,4516568	-3,2119809
-0,9547874	38,4554712	2,95457476	100,446718	28,8966549	46,0821965	44,2557459
-2,0205756	46,5334023	0,34455486	7,7405395	69,6192478	-3,521719	8,17590431
-3,3378905	18,9554775	-2,6932741	37,6930662	-3,3564592	-7,7132631	-5,4365405
10,1905367	66,9612349	1,42105165	392,086569	101,59253	-8,3640565	295,367943
-1,0573193	197,017196	10,5391849	257,314047	79,9436565	2,1245774	14,1971353
-0,42439532	83,7942919	-0,8590833	654,385122	166,815967	-1,07637035	318,802072
-0,6810658	41,3156002	-0,873637	69,3768194	22,2493984	-1,6305236	-0,5287144
-1,1132534	31,9677883	-0,9920947	30,3036927	56,3996371	12,5274801	0,7721841
-29,662231	-28,213764	-24,521185	-28,034269	-26,710452	67,5921078	-26,668806
-26,1324345	-29,203274	-24,573931	-30,894064	-27,640206	110,041627	-28,570104
1,33406197	242,58443	5,28745032	430,483852	34,5435948	-2,2400378	23,8153005
-2,4571917	16,7988349	4,49961515	16,7948267	76,4895226	9,22998373	0,57059329
-1,0935579	38,1069463	1,25453254	53,5182123	73,5738839	-1,9593267	1029,53379
-2,2972773	40,329352	0,36194888	70,926828	30,8652864	-4,3320462	32,5911742
-1,4835424	-1,5948942	1,67401388	3,24929823	5,22837166	-0,0216789	-1,9646176

Iso1.Hth-8-1f	Iso1.Myc-W3	Iso1.Prd-RF1	Iso1.Prd-RF1	Iso1.Sin3A-K	Iso1.Stat92E	Iso1.SuH-0-8
-1,168927	-2,0692023	-0,602957	-0,3103326	14,6727068	1,5640122	18,2127981
-2,232438	-2,585862	-0,8890807	-0,6810103	-0,7269762	98,9692829	206,191299
78,4139342	22,7998909	302,404437	1140,42251	32,0830806	179,313082	60,5175354
22,4775578	12,9374061	106,086511	18,0637963	-0,6780142	140,005505	121,096159
7,27479564	-1,1755658	37,0840737	-0,7323251	22,4455388	85,747764	-1,008231
108,463433	7,91055019	79,3979025	571,932693	900,177479	215,438517	359,197302
-1,4975771	4,36695631	129,868487	9,39236809	15,6764534	17,8110558	33,848691
-2,1284482	-2,7755459	-0,82171414	-0,1981131	-0,9023208	11,504556	10,8105474
132,924501	260,917148	1822,81811	3949,90203	11161,89	3129,65482	3888,22844
0,17407005	-2,4077057	52,3922415	432,749241	-1,2176918	124,044766	396,968221
216,951239	121,289522	1452,16133	2059,39746	2898,5146	3060,03905	4661,36061
398,06519	944,118904	9521,15973	22059,9058	20548,7637	8703,68462	8303,09744
-0,8583845	-2,04862823	-0,6446066	78,6887856	-1,1002011	59,3366435	2,1616503
31,2558468	18,7883499	66,9315606	131,995912	808,040892	630,113511	773,92816
-2,0779784	-2,9795248	-0,3986219	-2,869923	-0,39578152	-0,4103503	166,215303
62,5307659	7,04286856	236,392113	161,801561	156,702654	427,23115	1118,51158
-1,2703697	-2,6418867	-0,6524319	-0,4196297	-1,2129999	52,8052935	203,944924
11,6430594	2,78323198	24,9887268	176,934322	230,079743	76,7668399	233,599876
27,4741332	10,8770788	50,8037754	795,640479	242,015911	732,483027	2153,23857
-0,30729375	-2,38602813	-0,8469466	46,1969761	-1,6449502	65,4959385	198,202586
337,284995	294,440275	2394,22712	5869,71547	7557,06678	3722,23251	5131,91143
15,7316563	10,2891462	137,885165	-1,4691353	700,01228	208,569157	450,764406
-2,0403074	5,54492337	433,990622	246,08737	88,0576252	-0,7344832	9,14039248
0,30619169	-1,6753947	-0,8445252	-0,5525771	48,7063267	225,096814	-0,513337
5,81265763	-0,2580952	23,1105779	10,7246852	64,0309578	216,142547	77,4585905
-1,7934397	1,59089763	37,9031657	3,29222015	966,622235	-1,1324973	-0,4096105
1,93799033	-1,0879378	22,512902	4,73672683	14,8522126	42,7487462	120,703043
3,82423484	277,241235	2852,00463	6510,9856	5698,54109	273,561418	390,570441
91,9250239	8,58047696	449,733071	1006,10566	345,600769	191,357625	80,0004109
2,21974901	-2,4417337	-0,3009672	-1,033419	-1,3660806	31,1780504	137,608828
27,2175573	4,35224398	131,213528	109,242443	300,62398	45,452389	1043,45507
54,1482767	17,8183089	900,490094	280,704915	668,612911	185,497433	546,431326
70,4064937	4,2276889	216,189858	449,046227	164,957068	159,161756	406,360174
20,7293282	-2,3444941	-0,8075241	25,6990925	-0,8575537	12,6694161	134,973723
37,6956983	-1,9434644	-1,4979682	182,415101	211,75193	34,1754514	33,7088335
33,6154912	-1,68504135	-0,9736039	123,853934	140,961989	12,9454116	112,057528
17,1157336	-2,4896376	-0,7372074	30,0615583	34,2034453	10,9764107	-1,7975223
12,2433033	-3,30441497	-0,9122354	-1,0038197	-0,9019026	11,3103092	662,160539
19,3097378	-1,23093902	42,8580663	64,8775808	120,917503	75,503923	602,860848
26,4002425	-2,6014596	-0,9480226	21,2195891	161,443484	103,338015	678,67885
18,2098462	-1,1778202	128,226416	-0,2101284	60,6284709	189,616938	595,658462
26,0692322	2,77091622	69,3941875	10,8763175	112,750306	70,5069158	797,000982
36,9708846	4,38238225	56,7874334	360,617014	329,931268	47,6028873	844,491153

0,13345003 -2,0978622 14,5463467 -0,3782604 -0,9251782 4,07440046 52,4023085
-1,3313152 2,25373432 38,443511 3,15766679 44,2281859 4,12251733 49,0782481
-0,8367319 5,64210242 86,3820089 666,049467 75,7261278 9,55268286 -0,2772548
3,87501005 290,175925 6640,30224 333,042361 1099,16762 163,327565 60,0104806
91,6764857 187,971419 266,617242 12350,7449 5704,56048 1000,03615 783,634204
40,3367536 344,868252 1045,48857 8042,01586 10973,0642 1303,72163 1451,0124
40,0659028 260,655536 635,268609 4946,64685 10193,2464 1265,16796 288,010434
-2,5705119 216,996657 1018,28561 6653,98321 4152,26045 1018,03126 961,603471
1,27502698 280,93875 1300,45206 6581,5816 4795,12534 1391,27655 597,243486
67,9115489 141,402508 3144,20129 3060,4511 1722,82627 874,965874 529,466158
41,5414037 94,2759316 1370,83496 2874,5191 1804,21578 448,636533 486,151142
2,28535165 212,167815 36,5455387 11390,6292 5807,01261 223,527801 277,173244
-1,1666604 79,2891911 22,0597532 3672,9054 3553,68828 231,334774 106,293834
-2,3525937 3,30292892 10,4634148 436,601362 93,1535125 14,2647942 115,59457
-3,1502679 -4,1665241 -1,4998531 -1,8372128 -1,52921964 24,9269207 -1,6049717
-4,9673124 2,88933748 -1,0335342 -1,1229535 -1,4243957 7,22423623 13,7195068
4,78760804 -0,94471663 -0,9296413 71,5336822 18,0142281 7,28734167 220,826935
10,1425432 -1,4740661 -1,12201412 48,8469215 -0,9143092 119,566096 308,702891
2,11608933 -1,646987 -1,3123134 131,839272 -1,1034951 22,9302731 37,7367514
1,02893097 -1,1040633 50,2436085 5,52068912 27,7426323 83,8676407 82,6927554
-1,7132475 -2,11981461 1,83880259 -0,846642 14,011702 13,0592593 61,1737586
-3,0862998 -3,8413985 -1,5526918 -0,8714663 17,980047 -1,34093306 22,2179567
-1,2152339 0,73062228 21,4259784 1,40973821 8,00698448 7,85117811 -0,7147197
-2,8598969 49,8460322 411,005186 -1,2228254 5,2534673 10,8439557 23,9247593
-1,3513734 -2,5055409 5,78979157 -1,3963283 15,0595788 -1,3716878 164,902461
9,02317922 269,982492 2464,47208 -1,8079699 89,3573232 49,421154 300,026901
56,8159804 -1,985086 -0,6231433 83,8938624 52,202986 23,7142397 602,937595
-1,328928 0,98005719 -1,7994973 121,199793 166,69665 -0,5491168 -0,3836322
-0,6551496 0,43619372 -0,4999339 1339,6184 31,9044208 -0,2877321 -4,5505513
-1,7891486 0,50678708 -0,8872774 8,10108663 97,3691814 -1,1232066 -0,3713325
0,07209751 7,71229925 673,627575 186,607116 84,0829199 7,79567033 141,823177
-3,4026069 -3,3672183 -5,78791 2,16533576 -0,5399766 -3,8406522 -3,4006305
64,7163219 35,6132459 62,7730107 1613,31723 664,42071 529,252111 1263,14603
-1,6126629 11,9082284 -3,711485 687,283897 148,687715 442,762837 1229,00531
0,87753395 2,13781664 -0,432557 520,540871 75,2864788 9,11580351 -0,7579753
16,5004477 -2,0887663 -0,9092665 30,3013941 47,1474743 -1,4054946 58,9227479
-2,3538876 -2,2874829 -0,3591399 -2,0407316 29,1162318 -1,419933 -0,4741865
10,1961107 16,0909998 57,4884093 898,138635 787,964906 -0,56227811 -0,5980281
-2,081135 2,24736151 262,922169 17,7511281 288,836551 -0,3785094 -0,3709837
-2,9922011 -2,3178622 -0,78421879 -1,9458619 45,9600781 84,8697328 5,21739096
-0,5958946 3,68134141 241,46261 54,8008192 77,1582403 -0,6836315 19,6791598
170,403807 -2,1567229 -1,4336808 778,115087 -1,5464262 45,0118812 1441,9733
-6,8088397 -6,7501263 -5,78791 -2,1156358 -6,9972114 -0,4900634 -3,4006305
5,546891 1,64675965 149,601742 605,404115 6,17102754 -0,4956685 72,15376

1,5493354	73,1440376	3003,56631	86,9948287	328,408467	42,8362009	17,7453209
14,8863547	164,673965	7755,38535	863,621187	1547,7616	104,520965	-1,2539835
11,0750053	117,856104	7263,36368	462,383559	849,394605	87,5310608	-1,3747789
10,5986908	2,20595696	192,013687	311,933856	33,5481308	153,011372	86,0965778
15,0263739	347,043867	4622,61632	145,729233	59,196999	111,226289	455,409008
-1,12386828	-1,8538894	-5,78791	-0,1239383	-0,2388323	-2,1763539	1,43712981
6,41001298	10,5306963	831,315862	71,5176191	237,539214	847,717315	22,524383
-1,7507495	-1,3647602	19,6968182	-0,5985103	-0,5340866	33,6989179	2,11515027
-1,5318771	-1,2842754	-0,9203752	88,7785663	30,5025076	4,16030336	-0,5502601
7,52668027	23,2797597	444,952773	597,718816	406,289622	241,393287	128,321926
-2,5961827	-1,8245674	-2,8951573	-20,773378	-1,0864363	12,9264781	-0,6398719
11,3598206	1,60420819	-0,8228276	382,341413	16,5611808	422,891581	168,190331
-1,3481571	-1,9680236	-0,7589443	69,8124911	-1,4096316	4,39573837	137,768953
46,5003632	8,17552882	184,175583	463,758439	-1,715698	2112,01626	794,897907
1,47330613	2,14991243	49,8366509	68,9535753	90,3545463	15,5460096	2141,01285
-6,1440441	-2,21386846	11,8720929	273,205723	559,622938	-3,6764097	4051,75531
165,487285	-3,0949946	46,3275419	263,77015	-1,0475885	72,5024326	846,752802
NA	-2,37640281	-1,078472	177,872544	-0,9999735	-0,767872	125,264968
-2,37640281	NA	5340,12185	8858,3391	2907,75979	148,34509	82,8535716
-1,078472	5340,12185	NA	-0,218571	-0,3713916	-0,5708416	-0,9093077
177,872544	8858,3391	-0,218571	NA	9,5453811	-3,8406522	1,90267921
-0,9999735	2907,75979	-0,3713916	9,5453811	NA	-1,2951091	-5,0012892
-0,767872	148,34509	-0,5708416	-3,8406522	-1,2951091	NA	-0,1603995
125,264968	82,8535716	-0,9093077	1,90267921	-5,0012892	-0,1603995	NA
346,158296	1638,05017	-0,2753256	172,614372	-2,8507947	16,6943164	152,539944
2949,05989	240,873547	-1,8188458	-1,8188458	-1,8188458	-1,8188458	842,912662
-5,0686266	25,0914025	-3,1776121	-4,6227558	-3,6863923	-3,5127924	-3,7407003
-10,602763	-9,7421897	-5,7327559	-7,55056701	-6,1469947	-5,7308545	-6,5883133
34,4366222	9,1861833	-1,0446065	-2,0689179	-1,3137111	-1,2227061	-0,5619586
127,871299	57,5170769	-1,1866578	-1,027181	-0,7870439	0,61158747	-1,1296952
22,1928323	82,942979	0,14568631	-0,5978718	-0,6339565	2,78604892	0,73262632
10,4478242	17,7453501	-0,7223592	-2,8778044	-1,1362028	0,58987912	-1,5899918
-3,0890829	0,97068381	-3,0296234	-5,1911083	-3,4864477	-3,2237438	-4,27931267
-5,1730243	-4,6904046	-2,5091889	-3,5341905	-2,8916252	-3,1577997	-3,4791089
33,284723	27,1981599	-1,0332071	1,60283746	-1,0237803	12,0408552	-1,7609072
22,8170359	142,80489	8,33500885	0,32912445	-0,194116	1,11986603	0,41339233
-1,2960401	-0,1420004	-0,4442228	7751,50569	101,806335	2,23565441	-0,2196256
-0,7459999	0,31981287	117,085322	-2,1156358	-0,1919113	-0,744563	-0,3671787
49,6323753	510,712702	-0,5108705	3,37166261	83,4894758	5,58059568	-0,6232364
12,5674485	61,4408112	-0,8449326	-1,5098803	160,438378	33,8264157	65,3376843
956,344589	3052,26375	-0,43345206	-6,8052897	-6,9972114	7,3063411	-3,4006305
598,528843	2897,98144	-6,1689545	-0,4906162	-6,9972114	-3,8406522	17,762821
-4,6231329	2,43632571	-3,4176884	-5,2445338	-3,8914296	-3,3991772	-4,1723112
-5,0226145	16,3971844	-2,5688723	-4,7314839	-3,2711227	-3,2411968	-3,8264727

43,2603216	822,811033	-0,2777867	-2,1205801	-0,922551	11,8654416	65603,2246
37,2728591	223,581132	-0,2320576	-1,2964553	-3,8677178	-8,0815003	-0,347153
13,9160084	53,7719432	-1,2862761	0,25775393	-1,098272	0,46385556	-0,57541648
63,9162293	404,655622	-1,3656883	-1,7543715	2,31241777	16,0710365	10,5315252
-1,2481886	2008,39613	4,19809374	1,01563892	7,7772708	-0,53472172	-1,100984
25,7538698	5,1631696	-1,0745803	-1,2272393	-1,1526145	-4,5794556	-1,1634303
6,21417505	1267,06797	8,16585463	-1,1196498	0,0511247	-2,0587999	-16,477544
7,95708094	449,175794	0,58792404	-1,8731822	-0,6729188	-0,0961536	-0,8984938
10,5542565	5,64254487	-0,38774	-0,4084088	-0,4822274	-1,6779418	3,00810861
-0,8459524	240,026755	7,42751042	-2,0684227	-0,9151441	-1,7378569	-1,6302397
0,26523674	199,389912	7,21477641	-2,0424808	-1,0285771	-1,3947547	-2,1334659
-4,2238048	26,722658	-1,741609	-4,4379824	-2,8889718	-2,755761	-3,880326
43,0347417	113,734674	1,40247478	-0,5981316	-0,4241494	4,18357704	-1,23663458
-5,9864436	-11,8202724	-4,0035659	-5,2299757	-3,866649	-4,4855922	-4,8023317
394,398086	2947,34475	-2,8785633	24,0021817	28,0821835	266,526084	296,919376
615,674727	2251,35083	-0,110402	-0,3575111	-2,1445253	520,864974	-3,3017624
36,4784975	18,4991711	-0,84388693	-0,09568	-0,96485997	2,23514541	-1,7039916
72,6618143	139,465065	-1,09745935	3,09389551	-0,4856363	15,6969824	-0,5529665
22,3671505	58,7651235	-0,478636	-1,66941369	-1,370198	-0,9378754	-0,9353873
22,748897	102,754449	-1,6229513	1,92360764	-0,9898135	-0,1962462	-1,3753392
2,0279608	29,8540428	-1,7257377	-1,0895964	-0,9054804	-1,16925	-0,1199921
-8,8047779	-13,015528	-5,0393541	-8,1579721	-5,598154	-5,2102928	-7,38778228
-9,700701	-14,105085	-5,9474562	-8,2298048	-6,0651371	-6,1699782	-7,1944481
4,37998187	38,8317906	-2,3298183	-3,7963896	-2,22645788	-2,3455475	-3,59550816
-2,8275012	167,682365	-1,6119479	-1,6098461	3,48240737	-1,39442229	-2,3094571
20,2735071	200,223796	-0,4251254	0,10794057	3,02813624	2,70806574	-0,0197619
0,91415426	-1,2040593	-1,5102565	-2,0970454	-1,7582361	-1,5975589	-1,1586817
-3,3268015	7,46571759	-2,9650364	-4,5471517	-3,2603608	-2,9486844	-3,80356644
102,648064	163,796653	-0,5577773	-2,0208107	-0,4688547	36,3693109	-0,5664731
12,0155353	117,024266	6,70513457	-1,3642423	-0,2630869	7,57389967	2,07254748
404,474573	247,951761	-0,2106232	-0,240046	-2,6374895	-0,2217851	-2,6374895
1,57304536	459,008542	8,73706403	-0,2123801	5,71028043	1,19961006	-0,8588933
-1,1699156	1,43887101	-1,2414999	-1,8176278	-1,3162859	-0,7291846	-1,5792195
-28,281473	-24,761193	-21,620322	-36,528901	-24,1426	-23,035829	-27,385722
-28,839618	-25,27358	-22,676367	-49,939409	-27,3505276	-24,145012	-31,114593
43,9707694	28,7941937	-1,106209	-0,9498214	-0,5658585	1,46935632	0,26102922
9,26274289	1195,4039	226,101722	3,74417926	1,82487819	0,7437621	-0,7759452
29,2301004	0,98420701	-0,6018253	-6,464695	-1,3165387	-0,723817	6,86809919
18,8781939	35,3207793	-2,1783504	-2,6429086	-1,8946461	-0,9494755	-1,1017158
-1,2301281	103,515537	-0,6214692	-1,8675211	0,73464235	-1,02853177	-2,3406199

Iso1.SuH-16	Iso1.SuH-8-1	Iso1.SuHw-1	Iso1.SuHw-W	Iso1.TCF-0-8	Iso1.TCF-16	Iso1.TCF-W3
12,7394032	-0,2235896	-3,8778851	-6,8100372	-1,562526	2,18392463	23,810042
40,7539272	-0,6589964	-4,6242245	-8,6642902	-1,61300523	9,24732861	56,078105
422,93979	1282,3192	-3,6733963	-12,77418	83,747248	389,604553	272,145545
8,03099279	990,852137	-5,5890177	-10,5364983	28,7493245	9,67251326	8,24374017
26,8400842	-0,5180136	-4,1703699	-7,6470624	1,68917068	31,0299924	13,1541054
51,7264504	1467,40239	-5,9105055	-11,64109	108,641047	114,334078	41,1670925
36,7813585	-0,17954495	-2,1900077	-5,9821845	-0,89839	1,33063688	-0,5993286
-0,4004337	-0,1711592	-3,846946	-6,0418911	-0,4995366	-0,761467	-0,9207065
1753,25519	4263,67722	0,82985513	-18,473812	449,280835	480,720348	646,266965
32,3904832	2095,63504	-5,1583846	-9,4257421	28,3200623	1,60748386	9,76984465
2026,56269	6304,1685	5,07012899	-13,000636	748,47699	502,895468	590,023862
10944,1915	29737,4804	103,446686	6,08296475	1548,18867	3448,75874	3223,66051
-1,2342594	-1,9294395	-4,3011121	-6,965555	5,11251183	-1,4073099	3,00728805
185,345959	2229,96399	-5,0441392	-12,975414	142,62035	93,3745435	65,348844
-0,3490167	1542,57574	-4,12122325	-6,1370367	1,29399728	-1,12459441	-0,7092385
302,05091	1054,56906	-7,3617234	-12,507251	177,141805	35,362885	46,7546116
2,28213077	1015,5447	-4,303709	-6,6074769	3,77964115	-0,0836123	-1,2872109
75,4426185	270,167775	-5,8345625	-9,6092993	61,9532303	8,76121289	4,35467183
528,085082	2725,77125	-5,8396906	-14,322076	140,939467	93,7152126	98,0559852
-0,4006934	1083,51371	-4,0674588	-7,38839702	12,9293706	-1,22886244	3,92078861
2331,94287	7143,83047	30,0553022	-9,9766987	1034,3316	1018,33279	1071,82804
221,760247	3075,91688	-5,1566259	-10,290144	31,8663661	69,4701131	40,7575215
41,3244517	-0,3491931	-3,789946	-6,1793586	-1,0145164	-0,240154	18,0215119
94,440852	55,1680887	-4,1932964	-6,998867	-0,6299884	3,08193072	3,70476351
80,4939865	532,989073	-4,9540215	-9,1047227	3,88392343	31,6274826	15,4177119
473,038182	-1,8188458	-3,4892506	-5,851417	-1,040665	1,43708519	-0,0617857
71,2900824	1293,00254	-4,381378	-7,6919497	18,909483	6,77063443	22,6721462
1155,14103	1135,7176	-4,13374982	-14,782419	60,6050608	89,6346353	87,693989
238,514671	1650,66619	-5,3500539	-12,324553	50,4624642	149,115503	67,1502825
42,7428334	257,104259	-3,7863445	-6,30251084	8,26146703	1,05510799	0,80707313
110,202052	1272,45167	-5,8369864	-11,154246	76,2893825	24,2507695	11,27708
376,152196	4348,32846	-5,6684523	-12,554258	62,5352014	70,0734361	23,9614493
332,284867	3099,01317	-5,1525039	-11,952495	43,2340547	74,0834473	37,1074821
-0,5891806	204,473335	-4,6390698	-7,6968725	12,3891569	20,283476	3,33449015
93,6239083	-0,4710209	-5,5769656	-10,519059	22,2752488	61,3226634	35,6207392
6,08961736	70,2314797	-5,3415732	-8,3222572	29,731594	25,4348907	9,67004192
32,3899637	-0,70667935	-4,1465971	-7,7140107	8,62360166	6,7146189	2,35082624
8,56417467	899,817702	-4,86449074	-7,9820823	44,8460229	5,86547317	1,05652586
145,553878	1144,0114	-5,8372702	-9,12526722	71,9322474	17,0378291	1,08660836
16,1859989	307,643713	-5,3114775	-7,84157352	37,4127672	19,8250734	5,48330375
157,155704	848,672088	-5,6946267	-10,214885	65,9127527	8,23190425	5,50940879
125,541457	2502,95556	-5,6617912	-11,021205	82,4381879	22,6673505	5,71495549
162,924547	1201,69528	-5,5693783	-10,529264	50,4407705	12,8868719	2,90183063

12,8764381	-0,3295802	-3,7902284	-6,7304859	37,7046402	172,662428	307,906522
102,608657	4,89109083	-3,2279803	-6,0813439	-1,07310817	0,87020672	6,615492
124,610191	32,9728144	-3,2331185	-6,3321331	0,29957466	2,01149812	0,96245757
228,084667	-0,9984021	122,943509	7,88297744	34,0413271	123,471116	103,875428
2139,83836	2964,28767	-6,6780118	-18,748382	388,863269	1280,91827	1040,01602
1939,79059	3061,21392	2,86551906	-19,909412	194,602754	485,728248	264,449335
1612,88831	5161,19441	1,16351009	-18,471611	211,22121	476,846944	268,05979
1709,30485	3643,78624	15,5748563	-20,273836	89,1423106	401,631352	317,938333
1661,56145	4364,16856	22,4104967	-18,806202	111,167136	538,166428	453,764523
351,397377	2688,16712	-0,207658	-17,1656606	98,5078991	142,884483	114,011884
828,43055	987,080865	-3,0129309	-15,853854	155,578794	214,088653	240,509398
1706,11104	313,146828	-6,4911202	-16,455615	24,1782253	67,8314902	76,8613516
482,769226	157,283203	-7,7299276	-15,240675	12,8089493	46,2133214	34,3489972
29,411376	90,9442521	-5,2477329	-9,1897848	1,25357416	2,90646319	1,54091098
-1,1564348	-0,89488433	-8,0575647	-15,822272	-2,6593513	1,44013669	5,6748144
65,7713947	134,584333	-8,4985627	-15,284454	-2,4795439	4,7948649	33,4751223
24,4795399	813,604836	-7,0173597	-13,756961	17,2207008	1,23632401	2,45655934
103,862145	553,051262	-6,5120198	-11,846917	25,1601386	14,4941696	18,4473065
93,9119456	184,30822	-7,5411624	-15,065718	3,58123847	7,18480188	13,0570897
25,8622752	58,8053722	-7,9788482	-14,8727103	5,11259129	1,55272526	14,3080177
19,7965748	195,819677	-8,1046281	-13,130804	-0,4821886	0,30455466	-0,3163599
-1,2403395	82,29602	-7,7686877	-13,632322	0,50482241	-1,8544044	-2,0928594
20,8703152	-0,2834119	-4,8649387	-8,2393148	1,55414365	17,3274385	20,3435336
49,1461989	452,790793	2,4561531	-8,8733064	-1,1010305	-1,23382981	6,20829688
14,2562542	338,648972	-7,0870801	-11,8622	8,17977293	0,4303688	1,24612053
451,496308	2723,11924	298,651036	76,6778893	30,1030831	208,205811	122,253061
180,960161	2285,83792	-4,4232405	-7,1982192	36,3587766	22,3221516	25,4717997
-0,2174203	-1,8188458	-3,6407579	-6,50760522	-1,0946632	-1,22946	-1,37461626
43,0419859	-1,5260207	-3,55635486	-6,0041878	-0,4366734	13,5653572	8,9106124
-0,3361121	-1,8188458	-3,0010397	-5,4036674	-1,3415226	-0,537741	-0,6815682
61,5655641	-0,3669702	-3,8276774	-7,6666831	9,78766064	16,8235776	2,31647437
2,40332413	1,96189287	-7,7986381	-10,457139	-2,8473908	1,02761776	-2,83914619
468,417729	3007,65824	2,97019904	-15,837219	98,3608035	160,515526	129,355527
206,741676	-1,2954287	14,806418	-5,7305615	8,84419715	74,9815732	124,824231
63,7508413	-0,4537021	-4,6753881	-7,5762781	15,6796311	156,73147	98,3418719
8,71749337	36,7002814	-3,9438127	-6,7807013	4,64528665	1,91626108	2,94237063
-0,5520952	-1,8188458	-3,7786147	-6,9280068	-1,8846604	-0,82772517	-1,1313562
75,8812856	-0,3967889	-4,8432199	-8,6901982	4,28703205	7,67826892	11,4301798
2,19362453	-0,4959274	-3,3447302	-6,17608322	-1,1653534	-0,3232286	2,10106425
-0,2547626	2,4379442	-3,8384027	-6,2973722	1,35453951	-1,414775	0,7977557
16,7268851	-0,5721189	-3,3568189	-7,1197997	0,05614099	1,18634364	0,56227826
157,683092	4150,24477	-6,6480333	-11,1140482	110,615291	78,0619341	32,0814785
-2,8507947	-1,8188458	-11,060247	-15,829522	-4,48342751	-4,4058573	-3,65892827
39,6744789	129,279715	-4,1727748	-8,5651011	4,35965683	15,2990054	5,08776219

41,268469	128,553234	-0,5387779	-8,5615265	2,21500051	4,59243095	5,34778134
610,28421	442,763081	21,8050786	-9,5609727	37,6916726	110,663249	73,4251924
587,918074	916,607591	16,6203528	-10,291759	33,161679	111,740684	70,0747874
-0,4891495	950,437217	-4,8981195	-9,479772	21,8075011	6,70669097	16,5502299
439,401346	2570,05943	387,179743	106,825009	44,4577164	261,889796	269,681485
-1,13449	-1,8188458	-3,9702861	-6,4049893	-1,3468721	-0,7782109	0,64954002
491,243143	434,167562	-4,607958	-9,73093266	12,5434886	32,9505717	32,7181479
22,6147888	-0,370834	-3,3823574	-6,5313271	-0,8750607	20,7756785	5,34137836
12,7086992	-0,3616015	-3,2848749	-6,2799852	-1,2242519	2,25851851	1,63882344
656,68202	-0,6280787	-2,3815486	-13,08443	24,4639763	179,141989	90,230235
33,1140297	-1,8188458	-4,4967881	-6,7598288	-1,3098045	-1,138058	-0,0772463
863,059838	2438,10332	-7,1739654	-13,03931	11,244978	37,1741171	32,106928
-0,3390663	-1,8188458	-4,1368016	-6,0315502	-0,2577114	-2,2408886	3,12388632
1843,46714	3821,69127	-6,5223007	-13,597691	47,4491486	187,287599	235,205144
460,643754	3723,11064	-6,0490119	-10,794103	7,16994122	9,49425777	60,1800473
3,75536382	-16,520356	-5,8245768	-10,9085385	-2,325792	44,5259419	154,719807
33,6318098	1744,58771	-6,998936	-10,644819	114,781338	51,094866	13,9777165
346,158296	2949,05989	-5,0686266	-10,602763	34,4366222	127,871299	22,1928323
1638,05017	240,873547	25,0914025	-9,7421897	9,1861833	57,5170769	82,942979
-0,2753256	-1,8188458	-3,1776121	-5,7327559	-1,0446065	-1,1866578	0,14568631
172,614372	-1,8188458	-4,6227558	-7,55056701	-2,0689179	-1,027181	-0,5978718
-2,8507947	-1,8188458	-3,6863923	-6,1469947	-1,3137111	-0,7870439	-0,6339565
16,6943164	-1,8188458	-3,5127924	-5,7308545	-1,2227061	0,61158747	2,78604892
152,539944	842,912662	-3,7407003	-6,5883133	-0,5619586	-1,1296952	0,73262632
NA	4569,02062	-3,71360827	-6,3553989	-0,8078501	8,30791288	2,50596249
4569,02062	NA	-8,981517	-11,269465	-2,4744697	-0,9192677	-3,65892827
-3,71360827	-8,981517	NA	47,9528097	28,0787097	237,151374	179,378191
-6,3553989	-11,269465	47,9528097	NA	72,5056282	509,690424	414,976009
-0,8078501	-2,4744697	28,0787097	72,5056282	NA	732,815635	578,424496
8,30791288	-0,9192677	237,151374	509,690424	732,815635	NA	274,062686
2,50596249	-3,65892827	179,378191	414,976009	578,424496	274,062686	NA
0,44524506	-4,4434214	56,8020615	126,795418	274,717634	76,0027499	102,290013
-3,18718319	-6,9376647	15,5859239	40,2564292	-2,1254911	-2,8344312	-3,1131886
-2,75220236	-6,4741055	-2,8446396	-3,1774769	-4,0194815	-2,8193658	-3,01506555
6,17277466	1,57590119	56,7066471	63,5822457	21,1082655	19,1183497	17,9528447
6,06953021	-0,621235	114,990215	247,516574	29,8211298	2,89011657	2,06778103
26,2510409	-0,3558529	-3,2687455	-5,8261169	-1,4594518	2,60095519	1,37574002
-0,2729772	-1,8188458	-3,916812	-6,6241424	-1,6931489	-1,0166708	-3,2540044
45,1901801	343,167733	-3,6598372	-5,9264607	-1,4848875	3,50392786	3,1446998
109,73427	963,122705	-4,25316621	-7,5499969	6,17791626	37,9297462	14,8097196
-3,090542	-1,8188458	-5,2921635	-8,6812224	-2,0748873	-8,563304	-1,5104802
-2,8507947	-1,8188458	-5,124056	-9,0387394	-1,3354576	-0,6049926	-1,0433044
-3,46307563	-9,2114158	4,39877081	14,9886662	-4,0068627	-3,1551148	-3,5664327
-3,6218234	-7,4149369	41,4616966	82,4135792	-4,66907	-3,3432655	-3,9075472

55,9892859	17,5334211	468,276835	1132,84263	30,3119157	-0,76000419	-1,361212
-0,5412794	-2,8910734	288,635199	1670,47619	-0,6982762	-2,9923371	1027,12686
7,64160728	-0,3701116	80,4327346	183,440822	16,0677111	4,93912173	2,074064
3,12682847	1,02241892	67,8844829	238,273867	40,3660363	3,11843357	1,89195283
3,39433894	-4,0540621	2001,31619	1985,96594	35,8289063	15,6905566	43,4230166
1,09997351	-5,3872883	132,578308	429,748125	3,0281932	-0,8791108	54,7592312
2,776311	-1,37404746	841,91262	1139,97855	12,4719867	3,02804995	5,23289536
2,68852792	-1,8615449	589,853469	854,456125	8,3076673	0,88488058	2,29548402
-0,3958797	-3,7678741	19,9422466	236,351638	172,338325	-1,0608436	-0,6287056
-1,1803407	-9,991213	199,314956	355,61857	2,64764068	-1,5718637	-1,07278588
-0,9045608	-4,2738682	167,812099	360,140788	2,70759209	-1,6530018	-0,7838504
-2,6074263	-7,1321101	42,2153697	67,1310666	-3,2730955	-2,6177941	-2,8960043
9,14488059	0,12906116	95,6136609	104,031446	56,7325777	6,54812255	5,48279273
-4,4192279	-10,1293216	-5,7267531	3,53882319	-5,6409946	-4,4187676	-5,2597177
-1,1541002	-3,2691811	240,562334	320,383542	119,49765	-3,2691811	-0,3633189
-3,3017624	-3,3017624	333,607928	438,73177	170,504105	81,6608998	680,26222
1,80650854	-10,073011	41,2235715	52,4644774	9,4562708	0,17429179	-1,1395246
6,99045994	1,31646736	112,880283	291,29776	82,4654432	21,9460598	16,3362767
-0,8265772	-1,557266	31,4408027	90,00753	4,6402132	-1,3998316	-1,2170385
2,73287498	-3,1440607	46,7333281	100,852704	38,5139502	9,86533832	10,5153173
-0,9636049	-1,0803767	107,988166	289,773193	0,71257385	-1,7072225	-1,3475433
-5,7278972	-13,054156	-13,908514	-16,77186	-8,4623022	-5,5838496	-5,8411966
-6,070798	-10,572749	-14,502448	-17,901663	-9,9661661	-6,4739268	-7,399316
-3,1288787	-5,9803239	11,0695669	11,6005445	3,87738851	-1,909274	-2,4769833
-1,6474494	-7,6628605	14,7117933	2,68758043	2,36866377	-1,6223696	-1,3252836
-0,5532728	3,64622815	67,7928861	191,323778	30,7787705	4,53225576	5,92650257
-1,5170207	-3,534469	18,0023357	87,6193824	-0,5423808	-1,6717738	-1,0953355
-2,8825672	-8,8384631	21,3754274	69,8018119	-3,1642197	-2,9770316	-3,0086378
-0,4214679	-5,5457935	55,8740493	169,319275	92,7123931	-0,488995	-0,6499464
3,16706763	1,17238639	242,086769	521,964813	14,8001368	-0,5415548	-0,2396937
-0,4126707	-2,6374895	1047,94778	1857,97619	-0,8937542	-0,2961781	-0,4003869
4,39285783	-1,0697981	283,290071	377,152718	8,09393666	6,95461622	7,59635462
-0,8814187	-3,5770663	40,8535792	207,702164	-2,0544323	-1,18170694	11,7917321
-24,436651	-39,942262	-27,406142	-28,997069	-25,07816	-27,955481	-20,177579
-22,0296983	-49,725884	-29,863738	-29,318167	-23,105869	-21,736269	-22,323554
12,8615416	0,88519547	163,333544	543,929978	7,45483277	2,20433164	1,50988443
-0,7321777	-0,8961289	477,332224	827,198646	9,9159365	-0,4536987	5,90437645
-0,6396116	2,10388577	10,1295693	164,461361	182,999189	-0,622926	-0,7113726
-1,1068556	-2,6590786	10,0022392	33,0869797	12,7297668	-1,4860369	-1,6027943
-1,1004832	-2,4519739	19,9727543	40,0454067	1,70980067	-1,0024428	-0,36281756

Iso1.TCF-WF	Iso1.Trl-8-16	Iso1.Ttk-Kc_	Iso1.Usp-W3	Iso1.Yki-8-16	Iso1.br-core-I	Iso1.modMD
2,68938608	-3,19020592	-3,1726081	18,1770677	3,91580368	3,97340922	-1,1503727
5,69566376	-3,8622599	-3,2365762	22,1317746	2,89318971	41,7799379	-0,6063894
90,7395223	18,5360068	-4,1635235	219,505864	172,918089	140,271933	563,69349
4,10917985	-2,7254011	-4,8800675	15,3413923	17,4083429	47,3044722	-1,2137624
4,39776541	-3,4426357	-3,49670416	35,1499924	4,95118133	31,113091	58,9829237
27,0689408	1,99587136	-4,3892049	44,1968617	61,6895368	178,778816	-1,1214827
0,66843016	-2,51653963	-2,8542171	6,30442277	5,66281899	13,1945635	423,215806
-1,6657369	-3,6635391	-2,284785	-1,4831193	0,62826853	-0,502778	-0,3241899
247,558462	124,609794	135,863478	317,568121	1159,25884	2697,54613	340,851961
4,64056933	-2,7921054	-1,8533659	4,89448465	24,4352483	2,88105955	-0,6500973
224,760167	119,123016	74,9254549	359,002053	1097,34563	2204,78292	118,51216
1239,93024	595,583271	552,337764	1885,65366	4806,91681	7469,5599	5555,08504
-1,1363288	-4,5830036	-3,1265492	-1,1711431	-0,6485477	-0,7911121	-0,4955461
45,3970573	21,3049707	8,17771244	78,683189	202,902559	171,936787	-1,516928
-1,4041736	-3,5539876	-3,9372316	-1,2407375	-0,7651796	-1,3759416	-0,28322362
38,5680165	9,5617405	1,68604619	41,065419	116,11861	179,183216	-1,5035795
-0,6952941	-3,8846513	-3,3337464	0,45798513	7,11027487	-0,8680086	-0,8764225
1,881272	-3,1228452	-0,6399547	32,0301106	24,2817726	79,3848985	-0,9891671
33,6948271	9,91405816	38,3063518	57,5539162	143,832583	266,313576	184,663708
0,93166954	-4,04379692	-3,6159052	1,35449578	0,53010551	-1,0479877	-0,7828294
279,327835	191,608399	215,293303	652,714963	1624,40113	4530,46558	950,739429
17,9095582	12,4635929	-0,0542086	79,8548384	128,920574	39,0410748	-0,99966491
0,88072874	-3,2538511	-2,94337998	-0,5993753	9,06219119	32,970668	24,2305328
3,33397291	-1,0333081	-2,9645685	231,598703	28,8913771	7,04036307	-1,1210585
11,012918	3,61899217	-3,7715697	342,110541	87,1307161	26,3443147	289,59981
-0,4980825	-3,10955626	-2,629118	0,19125443	10,3294566	12,3062633	-0,5403805
6,46419162	0,91801701	-2,8119415	39,8466344	52,463178	89,5573876	58,2977873
33,460548	17,5219173	22,2436238	61,9609528	421,930882	1426,57509	4479,70553
28,9855046	13,1932333	-2,49372	108,955372	159,558018	241,62235	119,434555
0,05157906	-3,4850888	-3,2567245	4,36021785	1,93009749	46,2122568	-0,4080907
6,67645046	1,26659723	-2,2463142	34,1456448	73,0274442	175,492787	-1,3479484
22,8668596	9,62820386	-2,3851495	77,1536595	145,518084	1018,91422	492,988663
12,8575184	7,54894951	-2,1553895	108,965625	145,406374	570,083657	127,373341
1,97558882	-3,0579982	-4,2370395	7,05290409	9,5107471	-1,1855852	45,3504029
12,8760685	0,95650186	-3,4612241	33,2964955	57,1963909	5,68292254	-1,1328303
6,54768912	-2,0676917	-3,1849083	25,6162556	25,5035923	33,9264723	-0,9450031
2,10158336	-3,3996239	-3,4335728	11,0739105	7,12580667	-0,4403621	-1,1644824
-0,4022544	-3,7862002	-4,4546741	5,42467867	13,0589095	24,0298669	-0,4729492
3,74542239	-1,9546984	-3,4331237	4,10493215	32,8755977	8,22127069	-1,0528826
3,6510172	-2,6655439	-3,8022355	18,7641633	21,1303661	-0,6679134	-0,3112728
4,59882576	-2,3980388	-2,2681958	11,0111961	25,2898571	60,1202449	-0,5933668
4,72013981	0,18738891	-3,2103369	13,5178653	40,0220006	83,1010053	-0,7410244
4,76656953	-0,5599039	-3,5569931	25,0248973	50,1402169	145,524393	92,9326229

50,3262186	-3,3511984	-3,1429917	9,9076723	2,42847091	8,51536789	-0,25665585
0,1382693	-2,876189	-2,82691404	3,53097357	9,9630312	26,0817589	199,660363
1,09050804	-2,3587049	-2,693449	9,7228457	27,3456209	31,814805	1196,30263
37,9664997	14,8938257	3,7045286	57,903489	195,096006	380,470692	12166,1484
400,134534	37,6121365	16,8508678	435,135488	416,761254	932,444069	342,092914
119,599971	69,7522829	191,125916	363,93313	921,434023	2221,14326	64,6101282
129,880433	61,3335821	220,316584	279,501054	743,67037	1541,44287	714,802002
135,967944	15,9304139	576,560555	69,9898404	222,503338	1358,22053	2645,2417
186,62524	21,8234071	642,907616	87,3914121	252,195953	1770,05161	2409,2888
67,0645482	19,9657932	80,5926042	368,906435	299,014627	467,573994	5465,41682
120,280358	36,5472744	9,93863977	155,23468	338,904524	682,121387	1076,08458
29,0274978	-3,1234064	51,0522382	20,8531311	90,5537113	686,817738	100,126017
13,6086511	-5,6454986	15,4815456	42,4035585	55,8007173	293,285574	49,0244817
0,36317576	-4,3315224	3,20367444	2,20870019	6,78926152	115,295043	-0,6899311
-2,7707241	-9,56182875	-7,9991583	-2,9061462	1,69802983	18,3739578	-1,1717645
1,32324329	-7,6676156	0,37475038	1,79107301	3,45642753	30,4696131	-1,0437106
0,61487054	-5,1480621	-2,6270727	9,71236519	3,12228572	63,4220043	-0,7856874
3,9545844	-2,8898957	-2,1706003	12,6106055	24,3525907	16,19218	-2,0845469
4,37770147	-5,841783	-2,8263901	11,6092893	10,8613435	7,20454386	79,1439791
1,28690408	-6,2231335	-1,98956834	5,41457501	10,3630314	9,02625339	-1,1374838
-1,3460697	-7,3892584	7,09537731	1,66757636	2,46834911	70,6372688	50,9843642
-0,5628913	-8,2994852	16,5500357	-2,413959	-0,3619931	26,3858142	-0,8348376
3,61278482	-4,1679137	-2,8608108	14,4705584	9,485135	19,4850029	114,366645
-0,0856462	-2,9074759	-4,4979116	1,64233909	31,624098	35,9314141	6587,44685
-0,5951723	-6,0705158	-5,16973026	0,49826653	4,3772297	4,92660636	-0,8687157
33,8864238	18,0161432	-5,659117	48,6814887	103,86412	6,87616065	11939,6791
8,00230374	-3,57812821	-3,7941656	8,08190929	11,9571067	2,29879433	-0,3989681
-0,5616428	-3,1660013	-3,049603	-0,021294	3,88309746	15,1888498	-0,5486436
1,19304757	-2,6328472	-2,9915927	32,2552858	7,55228029	36,2729332	-0,1780851
-1,1811578	-3,1633777	-2,5691836	0,49354286	1,42507287	9,47383605	-0,8541007
2,22229899	-2,793026	-3,5282434	5,97159538	19,935915	95,511074	557,977742
-1,7186425	-6,5127374	-5,6533599	5,46269012	2,48483837	-1,4234029	-0,5644674
88,2450305	11,801408	55,2171843	169,695442	158,253063	130,2473	160,44601
55,5876588	6,11043839	191,999573	54,2527073	27,2025872	256,25483	-2,3327021
25,6462273	1,29097302	-1,6054362	51,5995936	80,4846808	64,6510245	-1,34494365
-0,7556227	-4,3151698	-3,7016126	-1,4389053	1,14058723	15,8123899	-0,7281848
-1,5887453	-3,8946688	-1,6121924	-0,961227	-1,950421	-0,3775232	-0,8346025
2,93382534	-4,4134783	-2,91954414	7,90161925	14,6352312	39,4559057	-0,526415
0,13797032	-3,8096847	-0,9482325	-1,2981053	4,60540272	28,4668409	422,221294
-0,8248935	-4,185506	-3,0086501	-1,112756	-1,0307505	-0,6747883	-0,5366534
-0,4848799	-3,2576151	-3,8294493	2,32865434	20,7339558	24,055969	90,2505321
16,5359582	-4,3838035	-6,7307033	19,4630861	14,3128401	10,643403	-0,6535486
-8,1992563	-13,119204	-7,9136655	-3,7238881	-3,0479681	-5,667333	-2,1279357
3,16894438	-3,3878662	-2,8006607	5,9280188	3,00377323	20,5052747	151,073027

1,19482336	-3,5019043	-4,5142929	0,96915365	37,1946046	43,0968557	2211,20257
39,279009	6,61867001	0,30119531	93,4830477	130,876498	413,572355	6585,29108
35,0889443	4,21101065	-0,4912948	79,5461263	113,481981	293,564296	5485,87219
9,13491798	-2,7674189	-3,8305519	3,14916675	18,0454532	12,4747149	59,7848047
96,4895749	27,5897165	-6,5226023	33,8082048	112,750124	24,5512525	15267,6879
-1,387027	-3,8263701	-2,7885914	-1,43459	-0,9524534	3,59460736	-0,1735363
17,270347	10,7126783	-2,6619966	145,402248	219,37109	-0,3435566	996,710103
1,11808636	-2,4993127	-1,0533633	8,87195359	4,08047247	2,64101834	-0,4912797
0,6656155	-2,4567374	-2,4489005	8,13463889	3,4130909	0,89534354	-1,73083197
61,7857584	13,2937938	13,4461572	210,194773	87,5307471	-1,96589909	944,818911
-1,2069548	-3,7181908	-2,6658789	4,82143025	-1,0022317	44,739133	-1,3008248
39,4795685	18,464835	-6,083196	47,4179702	440,08155	-0,9098867	-0,6503988
-0,8812162	-3,1051997	-1,7300723	1,13948371	10,3738666	0,80983842	-0,0945945
118,589104	34,1516986	-3,2051735	348,001235	706,560241	-1,3924584	45,2039175
7,09583574	-2,7408569	2,27489187	6,49342158	30,8986094	1,2089503	36,4382327
14,5373124	-7,0325929	-3,5408994	0,95953004	12,4295549	-12,120311	3158,92264
10,7970198	-3,9981826	-5,4696894	12,209528	15,8221822	-1,9110641	-0,8392943
10,4478242	-3,0890829	-5,1730243	33,284723	22,8170359	-1,2960401	-0,7459999
17,7453501	0,97068381	-4,6904046	27,1981599	142,80489	-0,1420004	0,31981287
-0,7223592	-3,0296234	-2,5091889	-1,0332071	8,33500885	-0,4442228	117,085322
-2,8778044	-5,1911083	-3,5341905	1,60283746	0,32912445	7751,50569	-2,1156358
-1,1362028	-3,4864477	-2,8916252	-1,0237803	-0,194116	101,806335	-0,1919113
0,58987912	-3,2237438	-3,1577997	12,0408552	1,11986603	2,23565441	-0,744563
-1,5899918	-4,27931267	-3,4791089	-1,7609072	0,41339233	-0,2196256	-0,3671787
0,44524506	-3,18718319	-2,75220236	6,17277466	6,06953021	26,2510409	-0,2729772
-4,4434214	-6,9376647	-6,4741055	1,57590119	-0,621235	-0,3558529	-1,8188458
56,8020615	15,5859239	-2,8446396	56,7066471	114,990215	-3,2687455	-3,916812
126,795418	40,2564292	-3,1774769	63,5822457	247,516574	-5,8261169	-6,6241424
274,717634	-2,1254911	-4,0194815	21,1082655	29,8211298	-1,4594518	-1,6931489
76,0027499	-2,8344312	-2,8193658	19,1183497	2,89011657	2,60095519	-1,0166708
102,290013	-3,1131886	-3,01506555	17,9528447	2,06778103	1,37574002	-3,2540044
NA	-1,9320219	-3,3810076	52,1338223	16,876229	-0,66740988	-0,8317037
-1,9320219	NA	17,5117252	968,010539	2477,5097	-3,1425469	-3,77397104
-3,3810076	17,5117252	NA	41,0437711	44,9329694	-2,4195218	-3,1836689
52,1338223	968,010539	41,0437711	NA	10,596476	9,71124033	0,70515454
16,876229	2477,5097	44,9329694	10,596476	NA	0,55508131	2,73276037
-0,66740988	-3,1425469	-2,4195218	9,71124033	0,55508131	NA	55,9265562
-0,8317037	-3,77397104	-3,1836689	0,70515454	2,73276037	55,9265562	NA
-0,642723	-2,5243868	-2,4868564	0,4737268	5,96789236	1,14454678	4,70985535
9,47240897	2,21575697	-1,2954139	58,1671065	32,9381782	-0,2790616	-0,9332094
-1,6307236	-5,3273359	-4,92047	-0,7852246	-0,5522188	-0,388338	-6,8052897
-1,5228839	-5,51277457	-3,8291967	-1,693978	-2,1543278	-0,535796	-6,1689545
-3,2305459	163,952846	3,7779446	-2,1215844	3,35016287	-3,582618	-4,35924
-4,6155442	12,532013	-5,0361743	-3,0318104	-4,5954158	-3,3892163	-4,1636679

21,9058422	2634,92932	478,601529	10,6017117	106,621232	264,581138	2,45031173
2042,87149	2415,28906	-1,6029179	-3,7906428	27,3117509	-1,8945012	-2,8910734
12,9193101	1941,33434	44,0727304	12,1509773	316,302459	-2,298243	-1,4377448
10,9877424	4902,07989	231,330633	16,5038192	271,60358	-0,38226791	-0,7258421
57,622193	3455,07268	1313,90951	198,863226	412,171183	21,8915154	55,3163795
27,9055024	328,99766	17,0488622	16,508239	0,61888368	1,72442103	0,45455913
33,3475745	424,410904	46,9803341	1,4940762	85,9962441	11,2718493	25,3984196
8,24539352	472,459272	54,2815367	3,88288074	34,2378691	1,07916375	4,07691351
4,05113017	373,778948	2,24999132	-0,4277855	9,80140442	-4,0442414	-0,9098838
0,55773004	79,0299825	-1,027587	-1,2020324	3,89029682	-0,3671241	1,19848026
1,10485373	106,839773	2,06699896	-1,4522322	5,95246304	-0,0635985	0,96491111
-3,0919189	23,5086295	1,37480145	-2,6287637	-2,8152214	-2,5358758	-2,4270018
23,6862632	1217,13581	48,1510725	14,2834857	97,8407204	-0,2901406	-0,1798452
-7,0748248	-0,6014344	16,9557771	-4,523529	-6,760802	-4,1708811	-4,6626824
-2,3764135	564,948119	270,319067	-28,18473	630,427337	62,4273479	-3,2691811
1453,29722	6094,95217	-1,5037443	-0,4947368	210,945736	67,5451537	-0,5153133
5,14139815	519,204273	10,3610417	89,7474223	42,1031626	1,64384763	-2,0288291
101,944278	1782,90392	19,550139	240,644758	144,999263	9,38573549	11,9705272
1,08900851	204,060016	30,0361399	2,3139063	11,304505	-0,9551301	-0,2947313
29,4718953	312,232461	29,390764	6,15952737	13,4437862	0,23695952	-1,8317537
2,75791423	140,27651	200,918036	-0,9758238	-1,20654007	0,55973709	-1,0127314
-8,4543281	-15,378329	11,3807894	-5,3253368	-8,5811907	-5,2748162	-5,45727767
-8,9913381	-16,921404	5,62576407	-6,0526746	-9,6525048	-5,76601708	-5,9654157
-1,26408688	125,141507	10,0265062	-1,7099438	4,10151936	-1,9353855	-2,7612457
-0,598768	50,1340074	38,8622689	-1,5939932	2,10135659	2,05385808	-1,7921113
14,8709756	214,040533	14,1820279	9,69069966	35,6264633	1,95941648	0,00662677
-0,4484078	95,5358128	22,1414865	-1,2105331	-0,81878101	-2,0759892	-1,6141345
-2,1314307	365,009965	-1,4180107	-2,9003881	12,3467048	-2,920955	-3,8682848
-0,8770376	656,562951	74,9542417	27,5205873	35,6870416	13,7438798	-1,8856933
15,4924654	1226,60135	158,068742	3,53043035	98,6327887	2,00815374	1,17402982
-1,2311261	1363,06371	73,9875642	15,043382	37,0446945	-2,6374895	-0,2523913
18,3448017	636,152403	10,0405507	3,89243723	37,7907196	1,4676195	0,43344401
11,3718812	44,3627158	20,9046099	0,17144634	2,17353353	-0,4924495	-1,0830874
-24,107653	-22,48624	-24,5552303	-24,619538	-23,459821	-21,92721	-30,83069
-20,738526	-26,92332	-27,91833	-22,068519	-24,507818	-21,780736	-31,579608
9,90099154	1219,46824	15,3524383	5,14738414	113,023409	-0,389344	-0,319219
40,7214377	230,635171	-2,6943277	-1,3149445	95,9186573	2,13393323	19,1647736
0,73247437	137,927334	8,01520196	-0,4704219	2,39196604	-0,8047798	-0,7291789
1,91400123	180,621514	86,8793284	-0,5216135	11,8057632	-0,8110394	-2,3330343
0,51153875	44,3342823	94,1435554	-0,4519616	1,03175126	-0,3941006	-1,0505589

Iso1.psq-Kc_	Iso1.psq-WP	Iso1.sc-0-12_	Iso1.sc-0-8_	sKc167.2568_	Kc167.908_	CkC167.H-Kc_
-0,8814954	0,54663306	215,782794	-0,7108203	-3,9866514	-4,0281934	31,381425
1,25836069	1,29422938	871,352227	-0,409446	-5,408976	-5,0257996	59,3301769
280,31337	149,207214	294,353858	745,756873	17,0194782	-0,4050044	723,375902
7,47802071	18,0084809	-0,6383886	2494,47277	-4,9889215	-4,376924	115,487444
-0,8865465	2,30638742	-0,2452255	-0,3524139	-3,9934939	-3,5452704	116,186775
301,798016	66,8626592	1307,07688	1162,58688	0,95872938	-3,2320438	60,0116063
21,4337313	3,04704131	3503,50159	-0,0722164	-2,8792404	-2,88450851	116,003842
-0,8812219	-1,8409138	303,291801	2,93907307	-4,1920091	-3,9035521	-1,24674948
2778,38748	1005,40932	21345,6196	18599,9768	88,0512605	21,667713	1565,50148
13,9150174	7,00116703	178,255012	1854,23531	-5,0842397	-5,4661996	-1,2175903
1497,61905	625,97779	19042,7866	9490,80756	64,4061895	17,9512483	1281,81587
9935,52889	2932,68264	38592,235	31276,7716	423,343971	185,098694	9793,56424
-1,2439079	-0,5420418	-0,73151176	-0,528098	-4,7986406	-3,85697984	-0,788163
754,366181	323,728403	5390,25996	5653,39682	10,847893	-2,396289	325,091633
-2,38500705	-1,0132889	-0,9771046	81,3878682	-4,5722388	-3,62821071	-1,3907431
167,632851	61,2463579	1923,26076	3167,94774	0,87715076	-3,66746744	217,911118
-0,8298472	1,22726946	-1,0295225	34,5937039	-4,5377314	-3,66123813	-1,6639369
160,727181	39,1522008	356,414631	4224,96536	-4,4071342	-5,08046961	20,3369772
217,814308	31,445006	3180,92308	7068,00116	-1,1169622	-1,9611158	292,921592
-0,8701468	0,53073681	432,949869	-0,5606947	-4,7746972	-3,7154306	-0,7300754
3295,2709	978,034346	30011,2906	28072,256	139,882188	56,152423	3346,71846
460,185965	163,783012	1162,87074	1324,22431	7,08796197	-2,4612265	61,9417493
3,60638141	-0,10908247	4,27613965	33,7420008	-3,9968368	-2,9260007	828,847425
2,92069851	26,5874588	89,5742362	-0,3067196	-2,026182	-3,5683519	17,2131074
91,3463613	48,6306501	264,17251	1,53350193	0,40901158	-3,9857843	113,263773
23,8468629	1,18050469	3607,55947	-1,8775439	-3,7623621	-3,0422016	99,6054972
77,3661379	29,2260191	1430,82997	1443,64723	-2,1002744	-2,6620718	1749,95025
1286,22664	221,137688	3342,87872	3063,39703	16,2021388	5,04769297	855,076163
296,891278	103,493916	2621,72676	-1,2943598	8,19698638	-3,0144429	72,0007786
8,06742345	5,14690498	2208,60378	2,67885088	-3,9668406	-3,3768638	-1,3257051
143,773531	53,5098847	1407,02166	2178,53827	-0,2919572	-3,6877318	45,764197
329,9657	83,187919	3346,70328	1452,28702	6,20768298	-1,6229108	389,75732
214,714434	49,8566927	2183,35687	736,885506	3,13771918	-3,8764061	34,7028909
19,6160008	7,20883275	653,607187	-0,2886328	-4,1597497	-4,0925957	-1,2099936
163,874938	35,0158316	1088,19297	908,922875	0,10074722	-4,4761878	-1,9485123
196,016646	31,6875529	1303,23844	994,470747	-2,8846044	-4,5058104	31,8131568
75,938305	10,5269563	2021,49839	263,929414	-3,6899416	-3,7941804	-0,3689902
9,12879671	8,35892537	336,020786	2352,55588	-4,53003886	-4,2480534	2,2532906
77,312743	20,5452099	918,131052	1611,86893	-3,1164054	-3,9680416	113,192868
59,066059	16,003257	424,347629	570,63983	-3,5907551	-4,303339	-1,09262463
70,3809468	20,2958894	977,314475	2319,02296	-4,3042837	-5,3801716	53,121758
134,854793	50,2227675	380,809256	4806,46695	-1,6992037	-4,4145	163,599402
86,4418167	36,4894345	4437,04786	1505,47947	-2,2464453	-3,8538633	63,1910153

5,67660266	-0,3977056	-0,4126889	-0,3196733	-4,0177115	-3,9089454	56,6402974
1,19455112	0,27918363	6,5883092	-0,4267123	-3,5922205	-3,1889418	305,238978
96,0321446	13,1531013	1,33541208	43,3061028	-2,9252303	-3,1013065	391,281963
340,423195	80,9664157	1484,15367	291,994642	11,7989958	62,2787428	965,110109
1281,11871	287,136231	2780,01099	4138,5898	35,1277742	1,51513427	1307,98468
3264,93403	757,818889	12200,1725	6304,77924	79,1386101	27,4351656	1082,96364
3302,78651	679,571708	16109,9858	5287,84764	68,0825079	23,9326899	1633,06674
2124,4396	400,804436	17572,5476	6456,88893	32,5252239	33,7367245	703,206042
2481,83753	433,79617	17133,3739	6314,17974	41,4122407	47,8730729	715,081988
427,239333	73,491755	2922,16356	4207,46512	21,8727391	17,3771711	768,041876
675,398484	160,028489	3756,23073	2022,59768	22,9464745	12,4607149	512,093359
267,554096	126,475415	-3,4069716	342,652385	8,82312433	2,42256182	292,02194
595,237592	88,0868989	-2,0136387	190,473602	2,96661034	-1,0438347	62,6698363
63,434181	8,45536063	-0,7833101	-0,92765061	-4,6319606	-4,8462515	67,1236408
-1,9389577	-2,2553922	-1,3849142	-1,5569608	-10,86362	-8,9355576	44,6038306
-1,5063306	-2,1303863	212,297135	-0,82654214	-9,97529437	-7,5388301	73,8714208
25,6793507	17,2392033	-1,1724811	444,610726	-6,3355076	-6,351124	50,5721804
42,0561978	22,8036867	-0,8631066	626,138168	-4,4234032	-5,7326587	27,6455385
35,1391326	15,8009728	-0,9342137	-0,608925	-6,0210561	-6,6610573	58,4160708
13,606091	10,6924266	57,185691	-1,31964552	-7,0206926	-6,6760367	37,4569352
18,7654718	6,85909631	301,685212	-0,1542709	-7,5882175	-6,2309583	18,374558
-0,2439124	4,36334095	1498,20839	322,647053	-8,0487381	-7,15014194	-1,2942836
26,0434965	5,49761151	295,461435	143,810108	-4,4555396	-4,4276539	-1,1627674
23,0474256	10,244125	-0,69622	-0,7427582	-4,2341838	-0,9660533	37,755767
6,96680186	1,11108039	-0,959066	0,49811857	-6,8192052	-6,2579448	24,3763952
130,302282	14,9663648	-2,8782713	119,470784	5,08803514	48,5468845	537,128171
0,07630118	1,7999243	-0,27615025	857,581415	-3,9578353	-4,1153836	58,641994
24,6640785	2,31503447	-0,360219	-6,1689545	-3,6866218	-3,326813	124,330478
37,9627687	5,49708681	407,938376	222,33169	-3,2840062	-3,257207	68,0130838
12,5145594	-0,2049741	-0,56389354	-4,5119121	-3,3159174	-2,6590097	-1,170061
99,0315203	20,8960744	2730,33613	115,186189	-3,234298	-0,6773478	247,901779
-2,3775368	-1,217178	-6,8052897	-6,1689545	-6,1861786	-5,3000522	-1,9846087
483,337613	110,995388	3083,18515	321,08264	10,7121536	7,9073932	181,676846
67,6013038	20,7953033	2803,19788	161,970796	-4,3470358	19,9504514	714,280707
7,1317177	11,1102844	372,228705	-0,7038894	-0,530113	-3,1121545	76,8831782
-0,9174146	-1,2480058	-2,3248292	-1,4229907	-4,2573689	-3,8129981	4,16338134
6,06966391	-0,5735259	-6,8052897	-1,82731776	-4,2888199	-3,6433968	-2,1205801
114,292888	11,1291625	-8,692154	-0,9234743	-2,2599765	-3,0601236	35,3647525
11,8902176	1,60193885	-1,6023522	-1,1734982	-3,5798249	-3,027699	3,31521042
-0,62149364	-1,2638241	2,56916884	-6,1689545	-4,2901453	-4,08798965	-2,1205801
49,6426847	7,11575997	17,6020908	-0,1685023	-3,3213382	-2,7902427	6,47439499
18,6916632	6,39835444	383,241919	2394,36316	-5,267932	-5,3742278	51,2889144
4,69616319	-8,0426744	-0,2833114	-6,1689545	-9,4737554	-9,1333551	-2,1205801
13,8724275	8,01915321	-0,9990036	-0,2390954	-2,739052	-3,2877191	112,537534

35,5774488	7,7674147	-0,7844661	-1,0303129	-3,6865905	15,6484691	129,219425
632,321842	67,4743718	-1,4949625	21,6474407	8,85752196	203,887729	3145,02844
301,837227	52,3636306	-1,5829966	286,687204	4,95445243	217,725127	2640,1172
83,5665388	28,9641965	-0,8475128	-1,7167835	-3,8591831	-3,8139526	36,3285457
237,459393	51,5114433	3509,40823	1023,4663	14,1981196	62,1433008	728,474611
2,72399476	-1,1728515	1,22678666	1,45307887	-4,34737968	-3,7774061	6,95562438
277,638991	92,8507304	3071,58684	877,761733	5,00702455	-2,9911147	246,302497
29,9726412	4,79369453	-0,2332815	-0,7857766	-2,6064055	-3,2954596	122,642261
20,462513	6,22928594	-3,3664609	-0,3465249	-2,7083991	-3,4514269	144,948426
584,338111	132,195213	-1,0972786	-0,580809	16,8795291	-0,9924224	813,148136
4,78034953	1,54543539	-6,8052897	-0,06573713	-3,52259054	-3,8482427	-0,5804776
165,079992	46,5737507	133,582381	224,929978	3,2048452	-6,0579725	385,638114
49,6854825	5,81669385	2814,72141	4372,34928	-3,3754793	-3,2625773	14,6035558
430,909165	175,041995	2704,59924	1457,06071	19,2441552	-4,3736357	1026,41463
29,2370379	3,81201434	1859,46141	534,392768	-6,118925	-3,03816935	2031,76698
-40,13166	-1,6435022	-2,2139231	3192,02309	-6,9574144	-5,5911855	342,521476
14,8099059	12,5140522	1107,67662	2268,19693	-6,42047835	-5,7626658	61,9586544
49,6323753	12,5674485	956,344589	598,528843	-4,6231329	-5,0226145	43,2603216
510,712702	61,4408112	3052,26375	2897,98144	2,43632571	16,3971844	822,811033
-0,5108705	-0,8449326	-0,43345206	-6,1689545	-3,4176884	-2,5688723	-0,2777867
3,37166261	-1,5098803	-6,8052897	-0,4906162	-5,2445338	-4,7314839	-2,1205801
83,4894758	160,438378	-6,9972114	-6,9972114	-3,8914296	-3,2711227	-0,922551
5,58059568	33,8264157	7,3063411	-3,8406522	-3,3991772	-3,2411968	11,8654416
-0,6232364	65,3376843	-3,4006305	17,762821	-4,1723112	-3,8264727	65603,2246
45,1901801	109,73427	-3,090542	-2,8507947	-3,46307563	-3,6218234	55,9892859
343,167733	963,122705	-1,8188458	-1,8188458	-9,2114158	-7,4149369	17,5334211
-3,6598372	-4,25316621	-5,2921635	-5,124056	4,39877081	41,4616966	468,276835
-5,9264607	-7,5499969	-8,6812224	-9,0387394	14,9886662	82,4135792	1132,84263
-1,4848875	6,17791626	-2,0748873	-1,3354576	-4,0068627	-4,66907	30,3119157
3,50392786	37,9297462	-8,563304	-0,6049926	-3,1551148	-3,3432655	-0,76000419
3,1446998	14,8097196	-1,5104802	-1,0433044	-3,5664327	-3,9075472	-1,361212
-0,642723	9,47240897	-1,6307236	-1,5228839	-3,2305459	-4,6155442	21,9058422
-2,5243868	2,21575697	-5,3273359	-5,51277457	163,952846	12,532013	2634,92932
-2,4868564	-1,2954139	-4,92047	-3,8291967	3,7779446	-5,0361743	478,601529
0,4737268	58,1671065	-0,7852246	-1,693978	-2,1215844	-3,0318104	10,6017117
5,96789236	32,9381782	-0,5522188	-2,1543278	3,35016287	-4,5954158	106,621232
1,14454678	-0,2790616	-0,388338	-0,535796	-3,582618	-3,3892163	264,581138
4,70985535	-0,9332094	-6,8052897	-6,1689545	-4,35924	-4,1636679	2,45031173
NA	62,359299	-0,6684943	385,375502	-3,02358859	-3,03403939	-0,8461632
62,359299	NA	-3,8746878	252,867517	1,19589245	-3,6315816	34,2724837
-0,6684943	-3,8746878	NA	177,625912	-5,9662397	-5,4285358	-2,1205801
385,375502	252,867517	177,625912	NA	-6,371134	-5,130846	-2,1205801
-3,02358859	1,19589245	-5,9662397	-6,371134	NA	30,4308246	2688,4896
-3,03403939	-3,6315816	-5,4285358	-5,130846	30,4308246	NA	3563,02606

-0,8461632	34,2724837	-2,1205801	-2,1205801	2688,4896	3563,02606	NA
-0,4816606	21,1962666	-2,8910734	-2,8910734	660,529178	160,227353	-2,8910734
9,64476096	45,2717186	-1,9600435	-2,0328501	1965,18928	108,351449	4,18711908
19,1812588	179,806493	-0,2814704	-0,3126923	6311,56849	1145,36527	130,333228
2,01840664	271,911165	-4,0540621	-4,0540621	4423,89526	1774,986	64,1417111
0,22034163	10,6362085	-2,9293939	-1,6724639	60,984969	51,5561842	-1,2525207
3,83539035	11,7404565	3,93085534	-4,8965881	568,0812	323,413855	12,9397558
4,30204006	22,0821851	-0,9841949	-2,1171395	609,175316	208,555666	2,41314572
-1,0005442	-1,2671363	-3,7678741	-0,3895437	81,2312673	163,985314	-1,1115046
-0,73002738	0,03188759	-2,28946424	-4,3755792	117,97751	1141,21764	1,94524217
-0,9810864	0,11730763	-3,3360255	-1,60428006	111,921409	1253,42827	2,6923677
-2,4308796	-3,1904951	-5,2154078	-4,8104442	55,5269914	430,039079	-1,91554883
19,5840563	68,0972993	1,73162861	-0,4023772	1621,593	269,289793	4,5448194
-4,8006742	-4,9305156	-6,2078656	-6,1440263	6,50974195	-2,1760623	-4,4099419
259,227121	18,451481	-3,2691811	3,48002438	211,121706	129,162479	9,69642414
-0,43487879	22,6327045	-3,3017624	-3,3017624	3053,93277	458,657052	136,850002
-0,6254746	22,3840081	-0,7360232	-1,51181782	459,872641	83,6853756	-1,2853914
11,3808075	197,784542	-0,4746422	-9,3352018	3140,72478	339,053386	7,51358039
-1,5086794	0,58014112	-1,5887686	-1,6561602	230,106301	96,9764212	-1,1862789
-0,478758	4,11549194	-1,7626908	-2,002594	364,916593	51,2588286	-0,8858833
-1,0616214	0,39245902	-1,9392561	-2,7610418	146,794718	77,9339392	-1,2640191
-5,4753297	-6,0911611	-8,241045	-6,8826962	-14,547497	-12,9187263	-5,6457089
-6,0223883	-7,1250516	-9,13102131	-8,63069388	-15,599945	-14,0006063	-5,6940651
-0,7641397	9,30255291	-3,4850415	-3,5080331	198,680884	30,2050628	-2,8717675
2,0649474	8,69754065	-2,9097903	-2,290459	260,143897	100,912978	-1,3230026
1,73313503	8,34922061	6,07278814	4,88213736	298,819477	100,176546	3,44451855
-1,841722	-1,783014	-4,084133	-2,35680126	26,3328837	28,0931601	-1,3425434
-2,9015233	1,21955259	-5,3697724	-5,1536672	279,228017	22,6878173	-3,122886
3,28223394	32,7688668	-0,3935363	-0,3220489	796,158725	163,978275	-0,79975098
2,47790896	22,4907367	0,641838	-1,27467	918,39176	256,135658	0,14089649
-2,6374895	13,4816096	-2,6374895	-2,6374895	2253,51244	1020,37004	-2,6374895
4,00127848	15,6855149	-1,2641066	-2,5082871	780,081204	1077,27121	4,19770732
-1,60778322	-1,033116	-3,8799035	-2,2734274	42,6579177	31,674992	-0,9707763
-20,154442	-25,054469	-32,073533	-39,979571	-25,291851	-26,695198	-24,149738
-23,855867	-29,296213	-35,796264	-39,481398	-26,947396	-29,52107	-26,250531
6,09717183	29,6296235	-1,3531604	-1,3133533	916,163744	119,375549	0,59616743
-0,64575385	5,4507788	-4,0943269	-1,9502316	200,520849	2213,31209	9,79635067
-1,3924509	1,35500119	-0,6696683	-0,5141572	37,504506	25,0105724	-12,422952
-1,298976	3,64258233	-4,9387135	-2,0663788	190,09728	41,7386667	-1,3857778
0,76086927	3,08971328	-2,4287755	-2,3720854	132,13814	89,9989258	-0,4973411

Kc167.Myc-KKc167.SuH-KKc167.insv-KLolaI-GFP.LcLolaJ-GFP.LlLolaJ-GFP.LlNotch-GFP.N
2235,55629 3,3128299 24,8214058 24,7754236 13,6272827 -3,1973498 2,28879102
452,146713 1,46958839 41,7504093 -1,04201816 110,822434 -2,904411 18,4153078
-0,998903 191,027139 335,589774 637,950892 28,1849273 191,216698 77,1455122
125,603393 4,59912407 31,6850854 81,9265623 -2,8231036 -4,4671039 5,0985451
-0,229747 5,61566774 30,483512 133,202542 10,106393 14,4926097 4,88572921
269,533511 33,462247 5,16513944 235,796501 12,0974129 39,6658352 20,733969
-5,306333 15,3439973 62,5029361 1317,49601 -0,4926737 150,329238 38,5897047
33,0142602 -0,45426155 -0,545742 -1,8507372 -2,0784417 -2,8161156 -1,0715053
935,35166 495,89052 1967,99011 3499,77475 93,2230506 962,831921 429,941794
-0,5287124 0,6604002 -1,4909015 -1,422581 12,4354577 -1,2350018 1,51023607
1701,81404 482,344589 1025,59412 2091,01271 177,957966 385,182188 362,50376
6946,01056 3387,36744 13529,8465 18160,5338 1184,69212 3963,33564 2088,98412
37,9327966 -0,9977416 -0,614156 -1,8663028 -2,2031051 -4,9499848 -1,4570679
113,864628 95,3557176 155,904782 868,158007 17,8782162 142,91772 86,2069084
-0,3048676 -1,7756203 -3,0639573 -1,9473518 -1,44257219 -6,0662043 -2,6299451
-1,6239251 49,3603605 93,48037 289,207189 7,1269763 38,4404532 31,1703663
-1,2851446 -0,2163807 -0,6972827 -1,5458793 -1,49064084 -3,7571655 -1,0516927
69,4345444 12,1743694 13,8358965 149,672421 15,2412092 -3,0574988 3,22782445
106,750733 47,8508809 185,807422 690,443866 37,9444813 46,794955 40,6347896
-0,5305655 -0,5771809 -0,5374607 -1,246427 -1,4375827 0,22429226 -2,14143067
2550,58016 748,84629 2092,99943 4653,85819 361,829806 665,04723 617,04644
139,341569 87,3622139 221,763711 481,033069 -1,6545736 59,0815568 53,982238
252,274892 -0,52836864 22,8685939 382,4333 11,1521506 298,102657 48,5418883
39,2249069 21,484616 66,8283095 143,854111 2,48517646 -0,0624836 10,0709275
53,480325 63,1602811 259,053527 167,483627 9,35538621 9,6698257 17,0861348
-0,6912166 1,90658889 11,8190673 293,338203 0,06545756 702,346616 45,3211822
108,480978 20,37432 95,4797462 60,7537555 31,4741644 21,6429147 19,2313366
265,425386 172,193117 1055,54873 1769,91979 -3,5849146 609,243705 249,015816
-1,2910868 146,083073 131,418488 494,13446 53,9498562 151,704572 62,6481195
-0,8658837 1,42688256 -0,4908764 -2,2615651 -1,0046577 -1,9773909 1,1795425
-1,3616829 41,3579127 121,766809 174,377063 -2,3644639 27,1878357 21,4970313
-1,4028588 110,053018 207,930556 1030,31162 6,51537379 86,1008616 71,4861798
-1,1401707 116,474538 163,994919 704,402271 6,24499252 52,3840491 40,0514354
-1,3583484 8,10119279 -0,8925806 25,4610268 -1,5997762 2,75579152 0,53766189
18,205943 44,6142333 -1,8366574 94,7185377 7,97818177 15,4638864 19,392418
25,8760558 20,8164103 4,57598829 12,79359 -2,2083306 3,22249235 5,17973988
4,72358631 6,22710645 -0,8880693 19,9972727 0,63757078 1,8110491 1,4957535
-1,1643562 2,95793906 46,683736 130,255589 -2,3355936 -5,3248904 0,59909137
-1,1707896 17,1302983 53,4403577 193,718731 -3,5816414 22,2095848 14,0426238
-0,9878009 11,4696547 79,3845829 75,1469612 -2,2857008 12,5852875 3,78893139
-1,2758234 9,93995435 69,3409561 125,882501 0,13320465 7,69602675 8,83675333
-0,9996833 23,222607 97,7617459 262,852677 -0,0926872 37,7208787 20,3520696
38,1394091 20,5531961 102,26643 158,21 7,53544856 30,2348659 24,6724061

1104,85939	0,07591344	60,3538487	40,7243956	101,051431	-2,2502309	5,54751402
8,10078178	0,04656403	13,30905	14392,8887	16,1072423	226,937603	34,4933719
-0,588184	20,0567358	169,835127	2861,70754	-1,22574388	289,263209	77,1178383
417,891839	97,5502943	500,767112	1736,87783	18,0341439	584,158864	404,244575
5,0325919	244,918444	543,699321	2955,29293	60,4340243	1053,81561	259,193694
491,117139	473,032838	2723,9971	5301,51025	28,2887105	669,16294	418,264431
305,495363	363,504131	2663,35246	4055,69978	16,5027875	522,990944	460,026044
503,711712	142,195818	1643,13435	3663,66775	82,851027	379,368233	239,418416
762,078373	151,252289	2213,95778	4361,87032	91,6973896	463,821046	311,700153
227,565119	138,068535	1109,9553	1027,41706	85,1268742	177,056298	138,436312
127,618329	115,345731	932,958769	1482,95941	44,642791	84,2907488	95,8736846
4,98477389	24,7824008	789,194243	1117,31955	-2,719755	176,659618	71,5567004
14,8288982	8,08424291	727,134412	552,115784	-3,46804018	81,4601842	35,5717653
-0,7609517	1,44136309	143,296494	125,271061	-1,9479768	-4,8497657	1,09572755
-1,485505	3,08234267	-1,5175503	-1,5199733	-3,6827544	-7,2374647	-3,2136073
565,481038	5,50378538	111,958539	82,9400441	51,0811142	-9,8151942	0,66305754
-0,86726703	3,08829417	-1,285599	101,852311	-2,8293319	17,6977121	2,94040209
-1,50281655	14,5616563	33,4876088	73,6706232	4,57431787	1,61899562	7,12964479
-1,7328631	9,46426472	-0,9927354	38,7167081	3,5351323	1,59071348	4,13004606
109,728996	9,10599857	38,378505	-1,813751	-1,8990297	4,91486394	3,19681154
-1,01518395	0,84503208	-1,2751632	40,6346707	-2,98853196	0,46078843	0,91252328
-1,35280219	-2,85539239	-0,79467976	23,5465823	-3,16497972	-3,0444361	-1,8547323
75,6571034	7,66540507	23,8641921	16,864249	-1,465048	-2,4820714	2,3228934
115,769054	10,665714	20,5112121	501,525915	-1,5594631	154,402599	102,835595
-1,055144	-0,670472	27,6529209	22,1840354	-2,7935396	-0,4808006	-0,1994789
426,219308	72,6067574	169,484565	2371,4066	73,3421365	797,46285	575,682053
-1,1139291	5,34764655	4,1859492	61,145744	14,7630445	4,73837208	-0,4330523
-0,7319843	0,18870736	-0,5155142	1846,10854	-1,4622352	247,212037	26,9279871
-0,8037589	11,1265956	13,4684882	30,2591827	-1,2390602	-2,2704926	1,74707739
-0,5453251	-0,8397691	-0,46031184	205,332286	-1,7570931	0,4850235	-0,5688788
-0,5184882	5,11908812	4,90237852	165,917399	-2,5596083	72,4367286	23,9522046
-2,8910734	2,95791453	-1,7543715	-0,74082898	-16,549541	-1,37404746	-3,4426809
354,940363	102,982605	229,74469	761,450731	73,1868663	88,4614771	58,2891117
2055,73128	86,8433778	858,86113	98,0776121	366,231377	-10,322585	35,9259802
-0,8420119	80,1690377	199,265007	79,5378757	-1,8547098	20,5934283	5,34659799
-0,59611	-0,08405917	61,0031308	-1,2430594	-1,6203553	0,55846879	-1,05336253
-9,6322631	-1,52058836	19,1124411	20,2114356	-1,1698677	-2,3513972	-1,7753823
-0,4617187	1,17295794	39,2968399	139,962438	-1,4851226	211,719706	22,5926329
-0,2376003	-1,23109962	-1,1674016	35,5537295	-1,2429808	13,9201862	0,87457398
-2,8910734	-2,012459	-1,7543715	-2,0329557	-1,1971643	-1,8898519	-1,2940972
-0,822134	9,71679412	18,0796671	70,164699	-1,7588786	37,1918663	8,46960117
-1,0717449	12,8867654	16,1360141	-1,0184658	11,1350712	0,18791464	-2,8615468
-2,8910734	-4,9055637	-1,7543715	-4,0540621	-1,4366431	-1,37404746	-3,4827823
-0,50528147	10,4138529	8,57600865	226,744821	-1,2066075	2,92014331	4,73306481

-1,3584897	5,60629112	107,415783	5,15183246	11,0753756	4,34120468	14,3464443
91,2743707	34,6658555	265,921177	1085,54455	22,3624845	173,483386	129,646655
102,290893	33,9495928	48,9774888	483,08549	20,0976742	84,6476393	93,8170917
66,6085473	8,63234492	46,1683521	26,1863573	6,28506996	14,1163061	3,48558823
652,006244	133,287085	357,497381	2671,27016	186,731004	1015,23163	740,898543
33,5367907	-1,1929154	-1,7543715	6,96694188	-0,2641835	-13,483768	-0,8128342
301,187919	144,431195	1161,71846	1938,86314	21,752824	223,247923	209,605955
-0,6487964	13,3527435	61,42536	68,37265	0,68116126	-0,992844	1,62716609
-0,7009019	12,8859217	102,856388	14,6769966	-0,4056585	-2,3421448	2,75916003
18,9942952	162,138691	850,087288	906,077949	66,2559292	112,545869	98,949229
-2,8910734	0,30437626	7,49544883	-0,7938981	0,21995858	-2,8299882	-0,9017339
211,88872	364,965031	1848,98021	275,886321	40,0417972	28,9437959	81,8033529
-1,9686592	3,71424825	41,4192112	84,3779121	-1,2357203	2,24413283	2,17667081
403,381373	597,423494	1710,26738	1152,43045	67,4194367	87,3914242	157,023773
369,376141	15,6130514	752,194442	489,281791	44,6238625	133,552822	28,7856246
252,146886	7,39965799	108,143697	856,438603	-1,4849725	526,785012	28,3965514
-1,54430228	1,73577072	6,99305659	-1,8015857	17,0600911	-0,6835355	2,97383813
37,2728591	13,9160084	63,9162293	-1,2481886	25,7538698	6,21417505	7,95708094
223,581132	53,7719432	404,655622	2008,39613	5,1631696	1267,06797	449,175794
-0,2320576	-1,2862761	-1,3656883	4,19809374	-1,0745803	8,16585463	0,58792404
-1,2964553	0,25775393	-1,7543715	1,01563892	-1,2272393	-1,1196498	-1,8731822
-3,8677178	-1,098272	2,31241777	7,7772708	-1,1526145	0,0511247	-0,6729188
-8,0815003	0,46385556	16,0710365	-0,53472172	-4,5794556	-2,0587999	-0,0961536
-0,347153	-0,57541648	10,5315252	-1,100984	-1,1634303	-16,477544	-0,8984938
-0,5412794	7,64160728	3,12682847	3,39433894	1,09997351	2,776311	2,68852792
-2,8910734	-0,3701116	1,02241892	-4,0540621	-5,3872883	-1,37404746	-1,8615449
288,635199	80,4327346	67,8844829	2001,31619	132,578308	841,91262	589,853469
1670,47619	183,440822	238,273867	1985,96594	429,748125	1139,97855	854,456125
-0,6982762	16,0677111	40,3660363	35,8289063	3,0281932	12,4719867	8,3076673
-2,9923371	4,93912173	3,11843357	15,6905566	-0,8791108	3,02804995	0,88488058
1027,12686	2,074064	1,89195283	43,4230166	54,7592312	5,23289536	2,29548402
2042,87149	12,9193101	10,9877424	57,622193	27,9055024	33,3475745	8,24539352
2415,28906	1941,33434	4902,07989	3455,07268	328,99766	424,410904	472,459272
-1,6029179	44,0727304	231,330633	1313,90951	17,0488622	46,9803341	54,2815367
-3,7906428	12,1509773	16,5038192	198,863226	16,508239	1,4940762	3,88288074
27,3117509	316,302459	271,60358	412,171183	0,61888368	85,9962441	34,2378691
-1,8945012	-2,298243	-0,38226791	21,8915154	1,72442103	11,2718493	1,07916375
-2,8910734	-1,4377448	-0,7258421	55,3163795	0,45455913	25,3984196	4,07691351
-0,4816606	9,64476096	19,1812588	2,01840664	0,22034163	3,83539035	4,30204006
21,1962666	45,2717186	179,806493	271,911165	10,6362085	11,7404565	22,0821851
-2,8910734	-1,9600435	-0,2814704	-4,0540621	-2,9293939	3,93085534	-0,9841949
-2,8910734	-2,0328501	-0,3126923	-4,0540621	-1,6724639	-4,8965881	-2,1171395
660,529178	1965,18928	6311,56849	4423,89526	60,984969	568,0812	609,175316
160,227353	108,351449	1145,36527	1774,986	51,5561842	323,413855	208,555666

-2,8910734	4,18711908	130,333228	64,1417111	-1,2525207	12,9397558	2,41314572
NA	-1,4160169	-0,27034814	-5,8593587	24,2178481	-1,9518337	0,47218224
-1,4160169	NA	15,8645194	318,315603	-2,5224051	58,4396456	48,4852089
-0,27034814	15,8645194	NA	2,08100264	-1,1609979	1,16767678	2,59277137
-5,8593587	318,315603	2,08100264	NA	-0,9914098	52,3247242	5,74539473
24,2178481	-2,5224051	-1,1609979	-0,9914098	NA	0,51924221	10,6166768
-1,9518337	58,4396456	1,16767678	52,3247242	0,51924221	NA	65,5526714
0,47218224	48,4852089	2,59277137	5,74539473	10,6166768	65,5526714	NA
-3,892032	-1,0135976	-0,50072693	-0,4052519	-0,3841351	-0,5356349	3,09734532
-2,3188127	-2,0189998	-1,8712094	-1,0386732	-2,1017727	0,35606149	20,5966807
-2,3316721	-1,0103943	-1,0476311	-1,1392298	-1,74818435	-0,1460319	16,4535049
-3,2856835	-2,6822166	-2,7968222	-2,3621198	-2,9615551	-2,6690134	-1,4443923
-0,2011108	163,012014	6,32670966	3,14243583	-1,3462828	28,5639629	220,313847
-6,391615	-6,6877853	-4,4188669	-4,3263054	-4,5272003	-4,2748265	-8,0964469
-0,4901683	41,545709	3,38364609	198,640107	-3,3796264	2452,30317	3170,71116
5,57326385	48,5354958	-0,09386317	93,6513692	38824,7287	372,585844	3415,16774
-1,3969937	40,311314	-0,1397475	0,37097649	1,17235699	0,62112486	15,8671119
3,06508596	143,167857	-0,7862291	-0,9658652	35,0196349	43,3034749	205,361905
-3,18197	9,44248107	-1,018314	-1,18236111	0,21265046	-1,041334	6,25956812
-1,7877056	17,4974749	-0,8951423	-0,5569059	-0,58908904	1,46209597	16,0250422
-1,4068732	0,48694575	-0,85515362	-0,9279342	-0,154954	-1,0859121	5,67420614
-7,5195311	-8,1956516	-5,7284117	-5,40572197	-5,4953098	-5,0945926	-9,878873
-7,8628077	-8,2585101	-6,4235405	-5,4296339	-6,1809355	-5,90186795	-11,0041
-4,3970173	3,66049365	-2,643338	-2,2293444	-3,2439248	-1,58943	5,30641405
-3,2898387	-0,8687056	-0,7621926	-1,013474	-1,67081133	-0,1331659	17,3123428
-2,147088	9,12701284	-0,1051261	5,81965526	0,27350561	22,7396522	65,3425537
-2,94943177	-1,3786851	-1,5536169	-1,9554006	-1,0143906	-1,7922528	1,51130371
-4,5634993	15,7297654	-2,9695228	-3,3603783	-3,5597129	-3,1317073	3,81343376
-1,2625527	4,78857025	-0,4548971	-0,3102857	-0,468432	-1,347648	25,577858
-0,4902386	68,6943377	3,61371803	1,04674835	-0,70220696	18,254452	240,809763
-2,6374895	74,2632588	18,4701554	-0,6408398	-0,5426988	3,82959281	21,7380418
-2,34779444	31,938444	2,48980593	3,79544577	-0,7728847	6,8761476	62,9700381
5,64112697	-0,1178628	-0,9802752	-1,5976095	14,5056664	-1,1192076	12,8967075
-34,540586	-24,066579	-28,2927751	-22,990925	-23,1106143	-18,7654922	-21,308524
-36,266975	-26,72398	-31,359874	-24,807556	-22,474915	-18,047531	-20,596036
-0,2991462	103,343088	10,2526715	0,38517749	1,68280321	4,33952211	82,8621668
-5,56040573	8,03732984	0,61101428	12,9369609	-0,6987312	40,1084109	168,594309
-0,6853197	-1,396588	-1,2896578	-0,7743151	-0,6140442	-0,5176405	6,84804016
-2,9844873	8,03504694	-1,2600143	-1,541717	-1,8404505	-1,5180307	7,87523816
-1,3485919	-0,234995	-1,268265	0,45575172	-1,1146409	9,69169505	37,5473045

R13-YFP.34(S2-DRSC.26S2-DRSC.26S2.913_CTCS2.CG8478-(SENS-GFP.9Stat92E-GFF
-0,3432363 -2,0266117 -1,6659024 -2,9381015 5,13476536 -4,9536152 -2,6739129
12,3627273 -2,8595871 -2,5464516 -4,1495447 1,8094263 -6,9728573 -1,3893621
-1,539309 19,8611859 17,5936038 4,44244466 226,287227 -7,1117941 117,003302
1501,5954 15,6533673 14,4887433 -3,4792411 15,9126521 -6,8670473 409,103229
-0,8703883 -0,857772 -0,3693267 -2,483498 15,1145729 -6,0198369 42,2266433
1651,71175 7,78132945 7,50900761 -0,9857191 65,5686929 -4,2472175 522,020255
-0,9873971 0,5260363 0,36435308 -2,3645094 56,8860369 -4,56950135 765,553181
89,2479236 -1,7014445 -1,88122353 -2,71577791 -1,1840371 -4,6345869 -1,1949122
6928,13312 226,570694 167,323974 56,1202113 757,912946 77,3221618 3839,72568
1554,24777 -0,8546782 -0,6591128 -3,2187965 10,3676361 -3,1094961 914,022292
7331,15472 125,067688 197,996562 30,4690842 811,260816 88,8521305 5108,47251
10886,4318 1259,70457 1119,55376 318,673004 3597,09888 253,705143 11869,6116
824,493826 -0,7213555 0,07038613 -3,176575 0,12942002 -4,6316374 45,2623552
2035,28074 24,0132911 28,4699741 2,0165225 163,100724 7,64267382 1062,09997
238,126608 -1,6753279 -1,7186888 -3,0699805 -0,20698527 -5,4352308 164,510515
3756,59923 12,6813159 18,8239581 0,53583287 70,9731073 10,4112199 523,12265
914,012223 -1,5215386 -1,29168255 -3,1060708 -1,0337366 -4,4885713 1329,35762
1278,76564 2,95332325 2,05191425 -3,2811343 17,9255721 -3,3634296 425,277059
3713,04591 24,8215426 33,3919968 2,50303949 59,0959864 9,15005502 1699,14169
952,635366 -1,3116272 -0,7869975 -2,9959295 0,28062337 -4,6005696 109,62174
8531,49638 350,582898 402,336741 95,8556539 1316,88263 131,315373 6198,56406
93,1095378 15,8094185 11,3749037 0,58986983 203,233556 -2,8844845 -2,8478456
1,25945026 6,41639186 5,31879614 -2,4601116 7,29917815 -4,5334649 1620,48457
-0,9295455 -0,6680957 -0,3909605 -2,7483453 33,3067892 -5,2398875 33,9574838
-1,1357142 1,44931783 2,63401106 -2,4053192 85,7260928 -7,1293795 45,6067665
-0,2937438 1,39121527 0,80235341 -2,4735781 8,34846034 -3,8905507 5502,41736
65,2192788 13,9477768 16,7016722 -0,9434983 63,9779764 -4,9690811 140,287025
68,8212088 171,393838 133,357567 17,8591906 191,408606 -3,995625 1161,34707
21,419274 12,5783167 14,1433514 0,93949327 103,640283 -6,8538864 366,650052
17,9325507 -1,8758846 -1,8529563 -2,9051047 7,08137996 -4,5254637 -1,464088
278,410394 7,36436277 5,98682724 -2,0473593 123,27668 -3,3672305 41,7220277
50,2049302 41,1103166 34,8665786 2,44918357 187,103856 -6,7291965 215,165718
22,8864094 7,78928666 6,09660155 -1,4692048 183,374013 -7,5275877 186,925569
35,6784384 -1,5014649 -1,3059401 -3,0545116 10,2662822 -5,4314849 -1,3032893
13,1628793 0,39930321 -0,5548891 -2,4689806 71,1641146 -6,8305107 47,494848
16,5157465 0,81921513 -0,0923318 -3,6024015 29,8542529 -5,59621758 96,9969807
-0,7039056 -1,3262972 -1,335838 -3,3886794 19,3013367 -5,8653665 -3,7035538
321,819054 -0,7909501 -0,5887581 -2,9571361 25,0797114 -4,0124844 75,2442354
379,70269 1,87580241 1,4387691 -2,051808 49,5819079 -2,75242683 172,144478
74,6934838 -0,613812 -0,6762293 -3,40283429 39,6637372 -4,2743464 103,913372
1752,98245 -0,2023317 2,60280303 -3,5361779 19,1392144 -2,597758 531,034342
373,514032 3,96356159 5,68560155 -2,080438 83,5955048 -3,2190279 173,14516
121,689579 6,57582673 6,24558098 -2,06339471 97,9765267 -5,5636114 182,264561

-0,882384	-1,2207123	-0,860848	-2,9704675	3,14081585	-5,1659311	-0,6530421
-0,3113809	1,40659929	0,76152982	-2,636495	5,71930956	-4,04203832	1748,65822
2,5289659	1,12934285	0,02988743	-3,2213844	51,6801765	-5,0533512	1281,79091
86,9363337	420,07498	424,293069	87,9823619	91,8686468	1,52399512	318,101121
169,447125	66,2831466	46,583028	13,2332873	227,994054	0,60512804	3642,9068
138,726682	337,289196	234,832005	74,5326163	636,064813	58,9839221	597,453695
103,590945	276,192403	199,420942	67,6171277	594,398604	65,486207	408,885412
5,88693002	198,372404	153,186674	87,7876697	197,868728	252,598534	-10,190558
6,10764903	272,704349	217,439307	106,537983	268,201266	288,81542	180,262348
216,100922	219,222605	206,420878	43,483706	92,3790607	24,6766892	783,880677
257,23736	186,69216	167,008686	27,2769781	261,740534	1,39435941	725,694443
39,0509863	119,21257	73,0443802	21,9389136	20,4162409	5,29274212	294,167258
14,4106979	61,528332	40,1025357	10,713531	17,3366531	-3,3952553	86,3940445
13,1794764	1,51579465	1,92523683	-2,28274267	1,79916585	-5,2479432	29,903627
-2,0859266	-3,1911221	-2,756273	-7,7530477	-3,1470116	-10,213682	-2,1942002
470,723476	3,13641769	5,20723096	-5,5806429	3,83691452	-10,189276	-4,41617883
435,330447	1,05517906	2,57091237	-3,5017091	10,8405818	2,51708939	-3,026341
224,264435	-0,35872639	0,77865201	-4,477877	24,4086569	1,02749405	80,4518171
-1,6011538	0,17795047	1,58857011	-4,4408118	12,2620359	5,81238113	-2,5482923
70,6589632	2,76085616	4,04587364	-3,92282385	3,75425219	5,91685527	-2,0671916
22,259459	0,97452987	2,19976621	-3,3602091	-1,0015283	9,43956226	20,8383954
28,2124761	-2,2837582	-1,1671999	-4,2730672	-0,7038977	23,4487212	-4,2366227
8,30026936	0,93395227	1,48303265	-3,5056732	9,49086177	-5,2804893	-1,3760363
18,4069692	28,3020633	27,2490528	1,15872676	17,5062719	-6,9431334	65,6209592
1366,68933	-1,5384542	-1,490157	-5,6996527	6,48784189	-7,4844043	210,153342
10,2201219	187,589445	152,615889	46,1846909	51,9726794	-3,2794833	188,372023
66,9563407	-2,1615525	-1,8812518	-3,6123209	4,6393565	-5,6353658	312,762608
-0,9296009	-0,9635672	-0,9453873	-3,2729395	2,33749498	-4,9594362	531,60392
-1,586324	-0,5536836	-0,1177999	-2,8323784	6,60973519	-5,0097184	-1,5832482
-0,4107671	-0,1623121	-0,46199621	-2,0425766	-0,9268991	-4,1083692	-0,4214194
8,0864833	22,0428948	29,8436059	2,26651206	29,1906971	-5,7063159	370,606572
-0,4489688	-4,7723446	-3,462666	-5,250162	-2,7633429	-8,1740276	-3,2691811
594,469388	49,2986366	60,2383161	18,3086262	145,185047	30,3390098	518,786034
401,516701	52,9241477	86,6620327	30,5560051	29,0745982	9,93307494	-7,36163722
-0,8982626	0,64277775	0,04751971	-2,2109018	29,6388518	-6,2862433	0,12422966
65,6452153	-1,9977583	-1,9511023	-3,1881546	-1,3568088	-5,2360346	120,358452
-0,5731385	-2,00184311	-1,7406259	-3,2496892	-1,418785	-4,20040324	-2,0216689
-1,33997897	6,39898933	2,61195116	-0,792497	1,15213343	-6,0143681	323,411294
-0,5484315	2,99852285	2,6078578	-1,9579932	-0,5581264	-4,0294131	32,6886067
12,8413506	-2,296741	-1,6812028	-3,5467153	-0,170327	-5,3846943	1,73584983
-1,0025832	6,70231057	6,02648943	-1,694657	3,92670663	-5,8590077	83,1509186
550,57227	-0,783464	-0,7632869	-3,6191901	20,993665	-4,4832151	1282,99246
-3,5265481	-3,4786683	-3,42625187	-8,6982147	-1,8319716	-11,02025	-3,2691811
56,7663285	2,56531687	1,6631827	-1,6878923	12,7861438	-6,2597919	-2,110558

-1,00988527 145,379941 157,746622 27,6111545 13,9103725 -6,5537424 -1,2870745
86,3408893 1112,10994 1187,09831 312,919021 79,1090044 3,36071418 138,814673
63,7230682 1022,03777 1044,84765 313,751933 61,5027972 1,24211181 126,582596
298,228791 4,36199798 6,80179705 -2,4436123 10,5964022 -6,3174247 281,892045
72,5152942 301,215227 236,882562 69,4017492 140,923843 -5,7379174 238,497649
-1,8337458 -1,4866835 -1,8374077 -3,21173237 -0,0790596 -4,7650556 -0,3924693
4,81849233 13,6210558 16,2064171 -0,9519654 520,27295 -7,4753282 97,1627899
-1,2546606 -1,3272126 -1,4014479 -2,7419831 22,5905363 -4,3183076 -2,8012615
-0,4654024 -1,1206313 -1,4362238 -2,5667794 16,1479218 -4,1124552 16,7031572
-2,3226708 15,2335577 13,8581421 3,67274849 219,321772 -5,760492 208,908044
-3,7678741 -1,7694372 -1,6747225 -2,7465468 1,04469545 -4,0168242 42,6820692
27,3519956 2,20564606 5,9526192 -4,4035803 164,093464 -9,8108918 106,118177
-0,4114231 -0,9238881 -1,3215691 -2,7895289 8,01476809 -4,7998915 -3,1702679
87,645264 2,72819024 5,69739163 -1,3909095 413,642195 -9,4134238 224,808875
129,176861 24,6770026 24,8554934 0,04831308 30,8421359 -8,10896191 247,780976
-6,3308979 -1,3103056 -0,5922436 -3,5666947 5,72850625 -4,7707153 5479,99852
810,484648 0,52707412 3,38531069 -3,93704893 29,2275695 -0,399826 862,146556
10,5542565 -0,8459524 0,26523674 -4,2238048 43,0347417 -5,9864436 394,398086
5,64254487 240,026755 199,389912 26,722658 113,734674 -11,8202724 2947,34475
-0,38774 7,42751042 7,21477641 -1,741609 1,40247478 -4,0035659 -2,8785633
-0,4084088 -2,0684227 -2,0424808 -4,4379824 -0,5981316 -5,2299757 24,0021817
-0,4822274 -0,9151441 -1,0285771 -2,8889718 -0,4241494 -3,866649 28,0821835
-1,6779418 -1,7378569 -1,3947547 -2,755761 4,18357704 -4,4855922 266,526084
3,00810861 -1,6302397 -2,1334659 -3,880326 -1,23663458 -4,8023317 296,919376
-0,3958797 -1,1803407 -0,9045608 -2,6074263 9,14488059 -4,4192279 -1,1541002
-3,7678741 -9,991213 -4,2738682 -7,1321101 0,12906116 -10,1293216 -3,2691811
19,9422466 199,314956 167,812099 42,2153697 95,6136609 -5,7267531 240,562334
236,351638 355,61857 360,140788 67,1310666 104,031446 3,53882319 320,383542
172,338325 2,64764068 2,70759209 -3,2730955 56,7325777 -5,6409946 119,49765
-1,0608436 -1,5718637 -1,6530018 -2,6177941 6,54812255 -4,4187676 -3,2691811
-0,6287056 -1,07278588 -0,7838504 -2,8960043 5,48279273 -5,2597177 -0,3633189
4,05113017 0,55773004 1,10485373 -3,0919189 23,6862632 -7,0748248 -2,3764135
373,778948 79,0299825 106,839773 23,5086295 1217,13581 -0,6014344 564,948119
2,24999132 -1,027587 2,06699896 1,37480145 48,1510725 16,9557771 270,319067
-0,4277855 -1,2020324 -1,4522322 -2,6287637 14,2834857 -4,523529 -28,18473
9,80140442 3,89029682 5,95246304 -2,8152214 97,8407204 -6,760802 630,427337
-4,0442414 -0,3671241 -0,0635985 -2,5358758 -0,2901406 -4,1708811 62,4273479
-0,9098838 1,19848026 0,96491111 -2,4270018 -0,1798452 -4,6626824 -3,2691811
-1,0005442 -0,73002738 -0,9810864 -2,4308796 19,5840563 -4,8006742 259,227121
-1,2671363 0,03188759 0,11730763 -3,1904951 68,0972993 -4,9305156 18,451481
-3,7678741 -2,28946424 -3,3360255 -5,2154078 1,73162861 -6,2078656 -3,2691811
-0,3895437 -4,3755792 -1,60428006 -4,8104442 -0,4023772 -6,1440263 3,48002438
81,2312673 117,97751 111,921409 55,5269914 1621,593 6,50974195 211,121706
163,985314 1141,21764 1253,42827 430,039079 269,289793 -2,1760623 129,162479

-1,1115046	1,94524217	2,6923677	-1,91554883	4,5448194	-4,4099419	9,69642414
-3,892032	-2,3188127	-2,3316721	-3,2856835	-0,2011108	-6,391615	-0,4901683
-1,0135976	-2,0189998	-1,0103943	-2,6822166	163,012014	-6,6877853	41,545709
-0,50072693	-1,8712094	-1,0476311	-2,7968222	6,32670966	-4,4188669	3,38364609
-0,4052519	-1,0386732	-1,1392298	-2,3621198	3,14243583	-4,3263054	198,640107
-0,3841351	-2,1017727	-1,74818435	-2,9615551	-1,3462828	-4,5272003	-3,3796264
-0,5356349	0,35606149	-0,1460319	-2,6690134	28,5639629	-4,2748265	2452,30317
3,09734532	20,5966807	16,4535049	-1,4443923	220,313847	-8,0964469	3170,71116
NA	-2,138764	-1,6932228	-3,965322	-1,2369686	-6,17268773	176,242256
-2,138764	NA	641,781728	916,654345	0,70890804	-10,508487	177,7402
-1,6932228	641,781728	NA	1003,66339	0,53715548	-9,4019098	-2,0298778
-3,965322	916,654345	1003,66339	NA	293,643784	-2,2961726	-4,5836719
-1,2369686	0,70890804	0,53715548	293,643784	NA	-5,0176533	59,7584417
-6,17268773	-10,508487	-9,4019098	-2,2961726	-5,0176533	NA	232,672838
176,242256	177,7402	-2,0298778	-4,5836719	59,7584417	232,672838	NA
-0,7317661	440,559688	110,200437	16,5436505	404,488427	478,658379	1916,85485
-1,1320709	13,7021409	13,0515813	48,1398888	12,4365563	110,262869	0,68286045
-0,392107	26,2771963	-1,5680686	310,184324	297,444244	106,755019	7,10270273
-1,5262944	34,6413393	27,9548944	76,769442	-0,0509242	71,3214823	-1,4273142
-1,5542436	8,90027316	4,12736336	48,8711584	3,04296413	96,1799747	-0,0068989
0,61021475	9,55574388	8,38441548	66,6036087	-1,1187737	121,660581	-1,9632217
-7,4243186	-13,064506	-11,526151	-11,382655	-6,7081496	13,1275237	-6,9918594
-7,2008366	-13,739643	-13,328779	-13,449655	-7,0556942	8,5116852	-8,0166202
-3,4327162	7,07376368	0,86029242	29,8918591	0,16362694	62,4951058	-3,8831719
-2,404053	58,9424396	31,8430571	134,568576	-1,0305203	79,1187158	-2,0618725
-0,0201306	40,8953639	29,5704678	83,0178736	20,3802829	88,1684351	8,57350493
-0,4959156	0,67245742	2,91675807	16,2633252	-0,9814093	10,2719845	-1,8031523
-4,2101752	-3,1052814	-2,9926324	11,367213	0,46508953	9,1733308	-4,8633908
11,7240599	17,2062771	22,3999123	117,185927	35,2370615	250,512514	68,6363348
-0,38531424	89,6762688	87,8033495	192,877259	79,5730423	148,888928	-1,2914469
-2,6374895	57,3284095	71,5006281	786,183419	31,4126755	425,402776	-0,2217851
-1,186696	165,145974	117,472733	718,631787	23,3471649	22,6307376	-1,342709
-1,9737316	3,25708304	2,57596592	18,348609	-0,8575474	1,03229267	-1,5863066
-28,188854	-27,285368	-26,992383	-28,542807	-22,300122	-21,162613	-25,013918
-24,49964	-27,311864	-27,032934	-29,190495	-22,735078	-20,983799	-22,985695
-0,8677177	19,466843	18,0478255	102,148971	34,4073656	95,1688202	-0,8215655
-0,6207042	1308,43492	801,831758	1785,94594	7,58341471	6,54546629	13,8142646
204,696558	9,5297352	4,13672207	32,3370065	-0,6556359	814,328976	0,4577143
-2,3359498	10,4822316	5,66813065	38,4885582	1,78744506	78,8010373	-2,7483722
-1,9057361	29,0214613	12,4174208	78,7569166	-0,5703526	162,973653	1,59270109

Stat92E-GFFUSP-GFP.U\$USP-GFP.U\$Y-cn-bw-sp.2Y-cn-bw-sp.2Y-cn-bw-sp.2Y-cn-bw-sp.2

1674,45334	1,13942537	53,8581496	0,00375494	3,86691121	3,51238791	-5,9973339
1585,90014	0,67601894	89,5895522	-0,6866939	3,86004201	16,4063297	-8,2687399
1227,23469	154,124514	977,971018	210,624767	258,813408	2,22152914	-12,322372
114,376364	14,4824035	47,8434124	8,45535886	9,24142727	3,30983925	-8,8184228
180,015562	4,59452996	63,6978977	0,01449119	2,64667748	-1,20710607	-6,8439483
172,575645	51,3402571	106,858335	34,8060337	29,4096287	9,17412391	-10,544161
2363,34118	0,67830908	39,6151	-0,4090928	-0,1434401	-1,1828549	-5,4097869
-0,4668527	-1,532914	-0,6415298	-1,7887031	-1,7213151	2,26772169	-5,2325494
2107,60004	306,337605	1096,22799	448,244671	405,328449	492,509935	8,19904598
-0,2117443	7,85867131	4,80182853	6,41736121	3,43826736	10,1778273	-7,62823676
1380,75668	406,514613	1247,65475	551,835743	359,901641	441,578876	-4,7124281
11843,6536	1665,58915	6885,35632	1419,71782	1811,27883	2107,14286	64,0068511
-0,223977	-0,6651635	-0,84008208	-0,5612585	-0,5999294	1,73164013	-6,3513201
374,500054	88,9022603	358,528632	53,4973947	46,95997	43,8792166	-10,356509
-1,3166453	-0,69330962	-2,1338418	-1,42423023	-1,4778765	0,14969674	-5,8884057
295,999148	51,2073511	116,148091	81,8598769	74,1351239	40,5886511	-10,681816
-0,5938878	0,35358141	1,84005577	0,20251084	-1,0014092	0,32350603	-6,6140253
-0,6583752	14,518474	112,239794	19,1473991	20,4667854	13,5474438	-8,3377129
99,7583929	85,3653887	99,8516838	78,0778406	76,3334548	132,07869	-3,9397183
-1,1207393	6,00331046	-1,1297498	3,0205332	1,69473456	2,31083812	-6,5423959
3742,73012	568,061543	1563,36777	731,128795	788,101424	864,190036	13,1519433
161,153564	102,066391	168,824266	17,5677843	30,111424	11,9158581	-8,4580127
4584,58403	0,47100526	-0,5281615	-1,0103411	1,17872748	-1,0831853	-5,6612243
474,720886	154,099589	815,845071	2,11471613	8,97281225	0,63102624	-6,6004231
-0,9192686	272,258984	813,891731	15,48761	28,2925069	8,23107258	-8,7271239
1775,45506	1,87401782	7,0198695	-1,4453915	-0,0084716	-1,1022332	-5,6085423
290,89031	46,1347802	43,5311054	10,3843098	15,1255879	2,28236074	-6,7920472
930,183273	51,5258184	265,198721	73,8039696	130,900366	99,7483655	-8,2877325
965,794507	151,850702	231,299015	40,4393079	73,2904458	5,44228926	-11,768741
-0,2438337	3,50218678	9,44611326	-1,4538217	0,09512293	1,16717409	-6,70184548
22,1979065	59,5391556	45,3487604	25,3527804	28,3872008	20,0547514	-9,44148856
161,820334	128,005684	252,540858	54,2465286	77,1686711	36,6213117	-10,9754227
157,560204	173,154629	190,450521	29,2540288	40,909533	17,3391483	-10,611965
-0,6277826	47,7376293	28,0114063	7,94629006	8,06936413	0,34701621	-7,5402938
11,5276207	111,709768	101,084712	21,2849864	22,706959	4,53350061	-9,4346613
5,89766879	53,2654062	61,7219769	12,1851215	18,0342519	0,22583143	-8,2491327
-0,6443371	40,2102352	34,8251454	6,71083997	9,30907789	-0,3657605	-6,70590115
-0,7643412	17,9403288	125,181152	10,0852633	7,58024247	-0,14905544	-7,140624
-0,801508	19,978932	115,29313	15,4342915	21,3243214	3,87518982	-8,4324363
4,20535731	38,8477564	47,8794488	13,8826398	11,2820756	-2,5458323	-7,5944223
40,9856282	20,0976806	7,05892818	15,6061911	14,4162085	4,19621928	-9,2210719
-1,3002791	29,0966506	81,9299733	26,9692436	32,5355124	9,80162522	-9,261614
-0,7002004	36,582277	92,5074042	30,9028044	41,4374115	11,2404789	-8,8696624

2168,11964	1,42122796	5,38524185	-1,0056467	9,52562136	1,93778173	-6,1288559
486,898563	3,48104547	6,74389483	-1,1677763	0,64653462	-1,1760573	-4,8153822
1691,51237	2,66562294	114,248264	-0,5346055	2,46311659	-1,482702	-6,1171134
392,752488	72,3642766	101,236082	82,7081621	47,3106175	75,9088991	-12,624618
1419,37789	224,405251	1721,32308	817,853613	1193,02418	265,606561	-12,672038
1292,90647	215,586516	731,121687	332,445516	498,99136	586,965874	15,4740791
971,180957	271,22571	793,427684	244,481299	534,544671	622,377009	21,1226178
550,608507	59,6901738	285,533091	225,426029	310,25547	1356,00464	297,203656
633,366803	92,8701868	347,690005	252,509562	357,916564	1506,69677	298,606889
524,265991	161,049271	973,636348	1132,59493	681,900084	236,361869	-5,6873007
221,694613	122,443083	270,977245	139,903527	234,426952	96,3824737	-11,866024
522,583011	14,664114	93,004782	123,615528	228,932443	261,954382	-1,8368717
445,470276	17,8542855	79,6653519	88,1275	135,809587	112,266019	-6,7809863
-0,7137195	0,43992602	2,08925823	15,997214	20,2537099	172,776275	-7,4696492
-0,7579112	3,62561409	-2,20299545	-4,05550819	-3,98767874	-2,31379568	-14,731068
45,7300553	1,60386431	12,8181051	-3,6089907	-1,9981143	27,6917113	-10,787686
-0,9846558	12,6723187	3,02912836	4,56655042	8,91526646	5,48835543	-10,082852
-0,75879201	7,14962777	15,9277152	6,7993818	5,85272681	3,67166526	-9,6893031
-1,2467538	13,333128	13,1060455	0,59723163	0,93452176	2,70263301	-11,545135
-0,8253268	1,84134896	-1,8732454	1,59738583	3,17335667	7,49409889	-11,3491916
-0,6594731	0,49530708	-1,6309563	1,162972	4,0943727	7,51075388	-7,7520053
-0,9232736	-2,3700788	0,54594506	-0,1582949	-1,1548691	15,2830503	-6,8295736
-0,222067	0,50345117	44,106525	3,68804803	18,191113	0,40897704	-7,2781122
-1,0624934	1,55039368	36,7121566	14,1730673	2,53817898	4,34964006	-8,6688111
-0,751845	1,3057782	-1,3187721	0,0756478	1,50020977	1,27373825	-11,068121
290,452785	23,220808	137,64581	35,6352285	50,5248699	89,9667846	-15,057548
51,4908511	15,7306985	33,7150857	27,6502577	23,9233262	0,44667948	-7,21722536
3384,47734	0,15768607	-0,3796915	-1,6476184	1,06220096	-0,4740005	-5,5943722
74,0591442	4,28403957	97,2135221	3,20526085	7,00929954	-1,344137	-5,9460395
-0,8493675	-1,3411754	-1,0216675	-0,7868253	-0,6068181	-0,2657666	-5,1933655
569,377075	10,4478299	77,5526833	2,24097237	1,90191967	-1,6167701	-7,122633
-3,3017624	-1,6221054	8,60772591	-1,7893806	-1,85826661	-4,5868105	-10,917712
682,247113	87,2790232	315,301484	83,5518901	114,942675	170,393465	21,4800221
-2,4766385	47,6467682	26,3681298	53,2638427	56,8739948	650,309358	60,0510159
152,219614	14,2855707	76,2696336	5,73277862	26,208471	4,24505892	-6,8995062
-0,7021191	-0,6914386	7,91453953	5,53540191	8,1622234	0,56896637	-5,7788036
-7,3607595	-1,2439018	1,83501238	-0,062805	-1,2919937	-0,013579	-6,1523675
261,944314	14,0277592	21,7858367	8,26844026	6,31654727	7,62002428	-6,9028778
61,1869974	-1,27525548	9,47669906	3,18656191	-1,1142326	2,2603515	-5,4762159
-4,4453917	-1,0652103	0,71567524	-1,3300095	-1,313592	-1,2394647	-6,2939462
286,958426	1,88505307	3,86824261	-0,7459106	-0,3038404	-1,9009449	-6,73434259
-0,8941524	27,5435822	121,510476	79,4314303	56,8008881	0,55951148	-10,348426
-3,3017624	-2,1117128	-8,4053829	-8,5064709	-1,6530245	-39,42226	-14,437356
-0,48930429	12,9954239	59,1688826	5,67696688	10,2919656	2,26649552	-7,3702923

-0,30847854	8,19063641	23,7222961	18,3389341	5,44062687	1,88812962	-8,1199838
151,139508	52,6403663	67,4632123	78,7679968	43,9250677	50,7251487	-12,157412
162,473391	41,9878893	83,8785092	76,7452722	27,3687062	49,2161615	-12,035297
-1,2081281	21,9218972	20,2508958	16,3687251	13,1360203	1,75902914	-8,3677994
323,720058	62,5188073	379,311088	63,424829	57,7526069	169,622948	-16,908304
34,9001317	-1,2458464	-1,1528503	-1,1664032	-0,8625268	-1,6030614	-6,121407
1851,71943	73,2671229	446,429843	8,73921789	12,4263428	3,5192378	-9,0922971
-1,1288135	1,72333544	24,2135921	-0,8203129	1,38207118	1,55992711	-5,4606974
-0,5149008	0,07232507	15,2242225	-0,8213676	1,69959352	-0,1207619	-5,5276737
442,700749	51,3502815	726,16645	14,1080496	38,341931	37,290702	-9,7745302
-1,2459518	-0,4376315	1,43405625	-1,7125823	-0,6941647	-0,5103474	-5,5918632
-0,6951126	39,2845782	273,12141	24,478006	32,626507	27,5216603	-11,576005
-3,3017624	-0,0288354	-0,4744249	-0,4502668	-0,0483319	3,66335452	-5,4565993
927,068856	160,820669	1558,23146	76,6117485	132,574574	27,09606	-12,152586
217,747341	4,408995	25,0342516	9,91803161	9,71870995	57,1016247	-8,3385258
1049,08915	-31,255971	-3,7913624	-3,197306	4,9907882	3,60997818	-9,3094757
179,098638	29,3111527	50,292791	51,2042086	43,7946255	4,33649179	-9,7572278
615,674727	36,4784975	72,6618143	22,3671505	22,748897	2,0279608	-8,8047779
2251,35083	18,4991711	139,465065	58,7651235	102,754449	29,8540428	-13,015528
-0,110402	-0,84388693	-1,09745935	-0,478636	-1,6229513	-1,7257377	-5,0393541
-0,3575111	-0,09568	3,09389551	-1,66941369	1,92360764	-1,0895964	-8,1579721
-2,1445253	-0,96485997	-0,4856363	-1,370198	-0,9898135	-0,9054804	-5,598154
520,864974	2,23514541	15,6969824	-0,9378754	-0,1962462	-1,16925	-5,2102928
-3,3017624	-1,7039916	-0,5529665	-0,9353873	-1,3753392	-0,1199921	-7,38778228
-3,3017624	1,80650854	6,99045994	-0,8265772	2,73287498	-0,9636049	-5,7278972
-3,3017624	-10,073011	1,31646736	-1,557266	-3,1440607	-1,0803767	-13,054156
333,607928	41,2235715	112,880283	31,4408027	46,7333281	107,988166	-13,908514
438,73177	52,4644774	291,29776	90,00753	100,852704	289,773193	-16,77186
170,504105	9,4562708	82,4654432	4,6402132	38,5139502	0,71257385	-8,4623022
81,6608998	0,17429179	21,9460598	-1,3998316	9,86533832	-1,7072225	-5,5838496
680,26222	-1,1395246	16,3362767	-1,2170385	10,5153173	-1,3475433	-5,8411966
1453,29722	5,14139815	101,944278	1,08900851	29,4718953	2,75791423	-8,4543281
6094,95217	519,204273	1782,90392	204,060016	312,232461	140,27651	-15,378329
-1,5037443	10,3610417	19,550139	30,0361399	29,390764	200,918036	11,3807894
-0,4947368	89,7474223	240,644758	2,3139063	6,15952737	-0,9758238	-5,3253368
210,945736	42,1031626	144,999263	11,304505	13,4437862	-1,20654007	-8,5811907
67,5451537	1,64384763	9,38573549	-0,9551301	0,23695952	0,55973709	-5,2748162
-0,5153133	-2,0288291	11,9705272	-0,2947313	-1,8317537	-1,0127314	-5,45727767
-0,43487879	-0,6254746	11,3808075	-1,5086794	-0,478758	-1,0616214	-5,4753297
22,6327045	22,3840081	197,784542	0,58014112	4,11549194	0,39245902	-6,0911611
-3,3017624	-0,7360232	-0,4746422	-1,5887686	-1,7626908	-1,9392561	-8,241045
-3,3017624	-1,51181782	-9,3352018	-1,6561602	-2,002594	-2,7610418	-6,8826962
3053,93277	459,872641	3140,72478	230,106301	364,916593	146,794718	-14,547497
458,657052	83,6853756	339,053386	96,9764212	51,2588286	77,9339392	-12,9187263

136,850002	-1,2853914	7,51358039	-1,1862789	-0,8858833	-1,2640191	-5,6457089
5,57326385	-1,3969937	3,06508596	-3,18197	-1,7877056	-1,4068732	-7,5195311
48,5354958	40,311314	143,167857	9,44248107	17,4974749	0,48694575	-8,1956516
-0,09386317	-0,1397475	-0,7862291	-1,018314	-0,8951423	-0,85515362	-5,7284117
93,6513692	0,37097649	-0,9658652	-1,18236111	-0,5569059	-0,9279342	-5,40572197
38824,7287	1,17235699	35,0196349	0,21265046	-0,58908904	-0,154954	-5,4953098
372,585844	0,62112486	43,3034749	-1,041334	1,46209597	-1,0859121	-5,0945926
3415,16774	15,8671119	205,361905	6,25956812	16,0250422	5,67420614	-9,878873
-0,7317661	-1,1320709	-0,392107	-1,5262944	-1,5542436	0,61021475	-7,4243186
440,559688	13,7021409	26,2771963	34,6413393	8,90027316	9,55574388	-13,064506
110,200437	13,0515813	-1,5680686	27,9548944	4,12736336	8,38441548	-11,526151
16,5436505	48,1398888	310,184324	76,769442	48,8711584	66,6036087	-11,382655
404,488427	12,4365563	297,444244	-0,0509242	3,04296413	-1,1187737	-6,7081496
478,658379	110,262869	106,755019	71,3214823	96,1799747	121,660581	13,1275237
1916,85485	0,68286045	7,10270273	-1,4273142	-0,0068989	-1,9632217	-6,9918594
NA	0,29993741	4,78447254	-1,6407993	-1,53301183	-0,8482501	-6,68135157
0,29993741	NA	237,362798	4,77290085	6,86894395	-2,25684158	-6,1020337
4,78447254	237,362798	NA	0,61340159	2,80264923	-1,281889	-5,2274252
-1,6407993	4,77290085	0,61340159	NA	246,807762	42,7215203	-9,9975868
-1,53301183	6,86894395	2,80264923	246,807762	NA	127,802629	-10,613769
-0,8482501	-2,25684158	-1,281889	42,7215203	127,802629	NA	-7,213654
-6,68135157	-6,1020337	-5,2274252	-9,9975868	-10,613769	-7,213654	NA
-7,8270164	-6,5573302	-5,9464632	-11,833512	-11,035583	-8,4516249	159,58217
-4,1996279	0,32461158	-2,04720876	5,93739921	9,63128265	-3,6969095	55,0568575
-2,8576331	9,8161816	6,07486938	38,1852536	70,9842265	77,2216021	-7,02146138
-0,1167296	5,95360949	43,4429895	4,84695534	18,5026584	-1,1256091	-5,9235419
-2,4781838	0,70848961	2,13768554	4,03691758	3,93686194	56,4776977	-8,4437701
-3,4228082	308,015152	1138,51279	200,095852	324,873634	128,334736	-17,404459
-0,4581382	2,6491267	80,7542582	15,5491721	26,3362725	0,65455048	-6,0387081
1,12178292	14,7230609	13,401786	3,12101548	3,77905034	4,55931885	-6,5891068
-2,6374895	-0,4698881	-8,4053829	-0,8378894	0,56115039	-1,5997916	-6,7312445
-0,4641333	1,60281561	80,1476544	4,10092044	7,05695462	0,91588302	-6,9577444
-0,5143846	6,48681248	40,1124792	1,37986138	-0,3804047	36,8002573	-10,614678
-30,233869	3,75723764	-1,7869815	-0,8622969	4,65540158	1,36913496	-4,847428
-28,062894	2,02797614	-0,8517718	-0,3592293	5,99155223	3,01325911	-5,2269448
0,78127023	20,0015321	45,7173801	3,30636251	4,4543709	3,55547252	-8,3488605
2,07695304	-0,7297399	-0,9861877	1,65370845	-0,5809387	-0,8476446	-6,3098176
1,30395117	0,92244119	-1,4820755	-0,6456369	-0,4483171	-1,2434107	-5,6042346
-1,8733023	90,1321811	122,016027	54,5489088	104,289541	129,103071	-9,7831586
-0,9194818	3,51304563	58,3243717	5,47790195	21,050069	18,4026425	-5,4144119

Y-cn-bw-sp.2	Y-cn-bw-sp.2	strain.3232	strain.3234	tstrain.3237	fstrain.3238	lstrain.3239	e
-6,4723902	-2,4488054	-1,2397526	3,91617953	3,77969011	-3,0644463	79,9917647	
-8,520759	-4,0037267	-2,2011716	5,00930903	22,6446211	-4,46271542	124,028914	
-12,527706	68,9335147	18,2470283	120,820772	-3,217598	21,4053556	1224,25102	
-10,096852	2,60838699	1,10228895	40,4879672	10,4485585	-3,5771363	228,095004	
-7,7022641	-2,25895666	-0,9189144	1,54542571	-2,2135013	-2,8137609	-0,6041713	
-10,8695797	26,5557767	19,5405656	53,823303	17,9406628	-0,06946926	388,598185	
-6,01294168	-2,5057441	-0,9491868	3,84821595	-1,3075257	-2,5097005	5,208312	
-5,58850915	-3,6923304	-1,7952492	0,71516959	-0,1572492	-3,5391877	9,15074374	
1,91171203	347,234798	962,857173	936,350322	202,385481	116,564626	3418,67054	
-8,9324393	0,06343935	1,22953032	18,2960855	9,43316154	-4,07949254	79,2938675	
-8,74911171	222,081268	239,071364	871,086562	310,038906	108,236736	4051,04351	
41,4985713	964,504496	2203,22307	3185,05771	581,310245	647,175608	7977,4314	
-6,7401203	-2,6204004	-1,2454674	4,95936968	6,11819705	-4,5227297	82,5217348	
-13,118777	71,0671624	75,6270131	157,411312	36,2898357	17,173538	701,265076	
-6,6958297	-2,9305018	-2,3529068	17,2096981	0,1957947	-4,4239785	7,44416341	
-12,201639	30,4838272	18,8658677	192,465543	69,410423	6,70003997	1071,27995	
-6,8334266	-2,3771338	-2,4072854	6,50224058	0,72767765	-4,3966758	31,8328074	
-9,9474959	9,85473717	23,2072605	42,1560882	13,0428243	-3,7815749	302,777489	
-8,1369877	24,9749748	58,3482938	161,23254	121,766597	7,3601748	696,437326	
-6,6733815	-1,9094522	-2,29611075	45,8006783	3,66126066	-4,6728164	48,3266643	
4,94247218	430,294456	771,968466	1276,68176	387,117098	192,065008	5127,91217	
-9,2673117	25,5128638	39,0793585	39,3801229	10,3653429	11,6234587	99,5685191	
-6,1113804	-2,1119088	0,05056151	26,3227947	-1,8548645	-3,0054525	-1,3227545	
-7,0365936	-0,8187857	-0,482856	19,3362387	-1,6595852	-1,7937634	46,1356965	
-8,9838434	1,40499429	1,00776946	34,2392139	-1,0747134	1,93144247	134,133099	
-6,1862873	-2,2279986	-0,78430442	24,0696533	-1,9887829	-2,8197964	-0,6403737	
-8,0270587	2,36581748	-0,6960337	18,7730374	-1,6077242	-1,00061	143,922198	
-10,716114	112,883991	451,159265	223,583135	1,31311318	24,9185159	240,780667	
-11,904008	28,4442842	13,6596644	45,335082	-2,8742482	18,8865373	81,7010824	
-6,2915029	-0,635134	-1,7399757	-2,1558054	-1,8949199	-3,6394799	4,41068693	
-10,524022	20,294749	10,4243376	24,7720021	1,38893533	0,96152764	165,367726	
-12,138769	35,6661858	32,4706233	61,4628566	0,56672518	9,95553702	206,077718	
-12,472332	20,3159488	8,69194725	29,0013856	-3,2293158	10,4296517	56,2661011	
-7,7464823	2,12092077	-2,0444443	-0,0491097	-1,03430486	-3,2185958	19,0651894	
-10,033195	11,514608	3,36773572	8,71820786	-2,1230628	2,63797253	35,1609141	
-8,4211717	7,20514121	3,92890528	1,27714244	-1,9022922	-2,5121331	15,0229806	
-7,6767865	0,49418601	-1,6247635	1,59268463	-2,3189333	-2,7676102	6,69276853	
-8,3368638	2,05502638	-2,2069334	4,68790614	-0,15559969	-3,8414843	112,925273	
-9,2680976	8,3897711	1,34918636	8,30675077	2,14544219	-2,9357776	140,823939	
-8,135843	5,08544693	-0,6843617	9,16399302	-0,7955428	-3,0986933	72,6456163	
-9,9870714	4,92210415	1,43156482	34,7701345	10,7971398	-3,4118305	113,190933	
-11,181951	16,1570315	11,8752163	15,6793958	6,1649637	-1,0193445	190,021275	
-10,064535	10,146735	12,766406	19,1385815	1,49843642	-1,00555297	152,833172	

-7,0167787	-2,1968466	-1,5889606	10,5824075	0,54678945	-3,1591803	9,78377795
-5,8730515	-2,2039484	-0,7580383	17,6142139	-1,5718624	-2,90259271	10,7311226
-6,788809	-1,1050336	2,02841624	19,7814938	-2,0531326	-2,19724273	1,84689496
-14,058293	45,9740626	96,4556116	67,2561884	9,73180203	23,1110816	70,6289684
-14,618668	158,006824	382,220143	659,363953	4,58087031	40,395685	3814,63875
9,10386548	432,72589	1404,06282	568,186116	52,5651006	100,694942	1128,32457
13,9652851	413,982254	1386,26984	279,572277	59,5529041	75,1268892	1311,28072
246,815578	252,434126	1034,68721	161,974047	80,0787223	32,2720968	566,949242
258,40132	295,076889	1164,72662	238,29182	91,8611349	47,8490977	529,662519
-7,3875216	170,143455	394,299264	289,376334	9,61244334	26,7888428	3330,05367
-13,657537	106,703501	354,540744	237,942808	135,380427	32,9191698	520,375351
-4,37988	162,91285	622,099912	199,206684	-2,21365383	8,57006195	361,963868
-8,5125165	99,7647026	456,736456	151,177768	-4,62809408	1,2674976	263,035144
-7,7987855	6,05643591	26,1058376	5,51125493	-2,7442861	-4,3624658	53,1374699
-17,0117168	-7,676859	-5,6330265	2,84947362	-3,9694074	-8,8528782	5,0132959
-13,432143	-7,5265781	-4,5612108	5,59620164	25,8631603	-8,20895537	75,2417927
-12,330351	7,01992902	18,6516912	18,8180982	-2,9796037	-5,2465068	37,7692487
-10,558277	5,50187563	6,78350588	8,11734858	-1,7587816	-3,7883502	58,1863341
-12,318176	2,58790025	7,41997724	2,52215165	-4,4779763	-5,3303197	15,9288357
-12,9755534	-0,5721603	6,20653545	6,00687231	-3,1127816	-5,98148309	3,98014768
-9,5243166	-2,6862347	11,681361	4,67727425	-4,1340808	-7,2108754	-0,3019897
-8,6011886	-4,9993114	10,5813585	2,37973827	-3,7888742	-8,6181895	-0,3214327
-8,3860875	-0,3652931	6,80710788	8,75174833	-2,8426074	-3,2484888	53,8984484
-9,9721314	0,07408835	5,12512533	0,39335392	-1,6931708	-1,225574	16,2439426
-11,879806	-3,1447847	-0,65065699	12,2258554	-0,431326	-6,3845105	52,0048133
-17,684593	11,6156804	13,2634244	127,764502	15,8046299	25,4230276	119,350025
-7,5233597	2,8112008	-2,12938359	4,9589117	-2,5105851	-3,5693858	168,832454
-6,4025235	-1,4544811	0,37720225	10,9744242	-2,0388665	-3,07824327	-0,38806281
-6,42904273	-1,6444842	0,56801785	3,96495369	-0,9858047	-2,8715992	5,79265266
-5,4276599	0,13668251	9,54458221	-0,2478544	-1,8162806	-2,9998293	32,8933249
-7,5655245	3,91524017	4,18745073	5,14948492	-2,0725179	-3,297766	2,24521889
-10,561513	-4,4857828	-3,679325	-26,998175	-2,7966299	-6,1986832	-1,0137607
12,811809	31,0138649	78,1353989	108,439143	41,7354551	12,1394861	211,517029
40,533336	-13,543792	10,6167047	21,5282681	562,41414	-0,2079488	299,36223
-7,3816551	2,9894211	5,52323996	14,5035553	-1,9581901	1,91384217	25,9842892
-6,7967495	-2,8072393	-1,7107613	1,69165593	-1,6564566	-4,1881446	12,6136989
-6,66010865	-2,1469162	1,79281787	-0,9848778	-2,3899522	-3,659883	-0,4328534
-7,8066393	21,6058934	54,8519768	32,5801455	-2,5181449	-3,0616236	60,4690121
-6,2206573	0,43584111	8,10074221	-0,7268678	-2,3656744	-3,6317445	-0,9827986
-6,6116421	-2,8104807	-0,9603948	-2,0753112	-1,9894832	-3,8629686	7,30103224
-7,4131408	0,80809217	1,99178105	2,97718059	-1,9698818	-3,2394675	0,10055213
-11,0953636	20,1107078	-3,5897178	22,5206085	-0,0628634	-5,3243828	412,049519
-18,904918	-12,650455	-4,4081243	-1,1013115	-6,5988869	-11,772522	-1,8856933
-8,3405008	-0,213171	4,14474115	5,41905032	-1,8706456	-3,4655607	53,6294176

-9,4287835	1,66871006	12,4519494	13,3530726	1,30329824	-2,6948092	27,3469374
-13,7225766	46,919273	168,376684	133,660873	17,2123604	10,0214306	160,445937
-13,630862	28,1647219	113,54337	84,1522915	15,9881312	6,49735731	103,968501
-9,1320093	6,84802825	3,15292918	41,3374941	1,46475699	-4,8274408	205,571754
-18,003684	16,9383328	9,66809244	192,612776	33,8008224	36,2733958	106,20407
-6,1921816	-3,4677623	-1,6643704	0,75857169	-1,6599903	-3,3396797	17,8048373
-10,104574	9,09010722	15,140997	84,2838546	8,77051822	10,6992488	38,5045535
-6,0896829	-1,6284367	1,19707145	1,47153565	-2,05315719	-1,9391683	20,9270025
-6,796084	-1,6054086	0,57785933	0,05649084	-2,0445713	-2,4074997	6,16860637
-11,174963	19,1195259	37,6360563	15,8242008	-3,19794972	17,0669238	64,7634589
-6,8785806	-2,7822575	-0,296826	-0,9547874	-2,0205756	-3,3378905	10,1905367
-12,75679	-3,7753612	-1,68250905	38,4554712	46,5334023	18,9554775	66,9612349
-6,0197848	-2,17957458	0,1812025	2,95457476	0,34455486	-2,6932741	1,42105165
-13,821687	10,6253051	3,48816491	100,446718	7,7405395	37,6930662	392,086569
-10,072211	-4,49308133	7,76729876	28,8966549	69,6192478	-3,3564592	101,59253
-9,6973762	-6,0602609	-3,4516568	46,0821965	-3,521719	-7,7132631	-8,3640565
-10,1771222	10,8885253	-3,2119809	44,2557459	8,17590431	-5,4365405	295,367943
-9,700701	4,37998187	-2,8275012	20,2735071	0,91415426	-3,3268015	102,648064
-14,105085	38,8317906	167,682365	200,223796	-1,2040593	7,46571759	163,796653
-5,9474562	-2,3298183	-1,6119479	-0,4251254	-1,5102565	-2,9650364	-0,5577773
-8,2298048	-3,7963896	-1,6098461	0,10794057	-2,0970454	-4,5471517	-2,0208107
-6,0651371	-2,22645788	3,48240737	3,02813624	-1,7582361	-3,2603608	-0,4688547
-6,1699782	-2,3455475	-1,39442229	2,70806574	-1,5975589	-2,9486844	36,3693109
-7,1944481	-3,59550816	-2,3094571	-0,0197619	-1,1586817	-3,80356644	-0,5664731
-6,070798	-3,1288787	-1,6474494	-0,5532728	-1,5170207	-2,8825672	-0,4214679
-10,572749	-5,9803239	-7,6628605	3,64622815	-3,534469	-8,8384631	-5,5457935
-14,502448	11,0695669	14,7117933	67,7928861	18,0023357	21,3754274	55,8740493
-17,901663	11,6005445	2,68758043	191,323778	87,6193824	69,8018119	169,319275
-9,9661661	3,87738851	2,36866377	30,7787705	-0,5423808	-3,1642197	92,7123931
-6,4739268	-1,909274	-1,6223696	4,53225576	-1,6717738	-2,9770316	-0,488995
-7,399316	-2,4769833	-1,3252836	5,92650257	-1,0953355	-3,0086378	-0,6499464
-8,9913381	-1,26408688	-0,598768	14,8709756	-0,4484078	-2,1314307	-0,8770376
-16,921404	125,141507	50,1340074	214,040533	95,5358128	365,009965	656,562951
5,62576407	10,0265062	38,8622689	14,1820279	22,1414865	-1,4180107	74,9542417
-6,0526746	-1,7099438	-1,5939932	9,69069966	-1,2105331	-2,9003881	27,5205873
-9,6525048	4,10151936	2,10135659	35,6264633	-0,81878101	12,3467048	35,6870416
-5,76601708	-1,9353855	2,05385808	1,95941648	-2,0759892	-2,920955	13,7438798
-5,9654157	-2,7612457	-1,7921113	0,00662677	-1,6141345	-3,8682848	-1,8856933
-6,0223883	-0,7641397	2,0649474	1,73313503	-1,841722	-2,9015233	3,28223394
-7,1250516	9,30255291	8,69754065	8,34922061	-1,783014	1,21955259	32,7688668
-9,13102131	-3,4850415	-2,9097903	6,07278814	-4,084133	-5,3697724	-0,3935363
-8,63069388	-3,5080331	-2,290459	4,88213736	-2,35680126	-5,1536672	-0,3220489
-15,599945	198,680884	260,143897	298,819477	26,3328837	279,228017	796,158725
-14,0006063	30,2050628	100,912978	100,176546	28,0931601	22,6878173	163,978275

-5,6940651 -2,8717675 -1,3230026 3,44451855 -1,3425434 -3,122886 -0,79975098
-7,8628077 -4,3970173 -3,2898387 -2,147088 -2,94943177 -4,5634993 -1,2625527
-8,2585101 3,66049365 -0,8687056 9,12701284 -1,3786851 15,7297654 4,78857025
-6,4235405 -2,643338 -0,7621926 -0,1051261 -1,5536169 -2,9695228 -0,4548971
-5,4296339 -2,2293444 -1,013474 5,81965526 -1,9554006 -3,3603783 -0,3102857
-6,1809355 -3,2439248 -1,67081133 0,27350561 -1,0143906 -3,5597129 -0,468432
-5,90186795 -1,58943 -0,1331659 22,7396522 -1,7922528 -3,1317073 -1,347648
-11,0041 5,30641405 17,3123428 65,3425537 1,51130371 3,81343376 25,577858
-7,2008366 -3,4327162 -2,404053 -0,0201306 -0,4959156 -4,2101752 11,7240599
-13,739643 7,07376368 58,9424396 40,8953639 0,67245742 -3,1052814 17,2062771
-13,328779 0,86029242 31,8430571 29,5704678 2,91675807 -2,9926324 22,3999123
-13,449655 29,8918591 134,568576 83,0178736 16,2633252 11,367213 117,185927
-7,0556942 0,16362694 -1,0305203 20,3802829 -0,9814093 0,46508953 35,2370615
8,5116852 62,4951058 79,1187158 88,1684351 10,2719845 9,1733308 250,512514
-8,0166202 -3,8831719 -2,0618725 8,57350493 -1,8031523 -4,8633908 68,6363348
-7,8270164 -4,1996279 -2,8576331 -0,1167296 -2,4781838 -3,4228082 -0,4581382
-6,5573302 0,32461158 9,8161816 5,95360949 0,70848961 308,015152 2,6491267
-5,9464632 -2,04720876 6,07486938 43,4429895 2,13768554 1138,51279 80,7542582
-11,833512 5,93739921 38,1852536 4,84695534 4,03691758 200,095852 15,5491721
-11,035583 9,63128265 70,9842265 18,5026584 3,93686194 324,873634 26,3362725
-8,4516249 -3,6969095 77,2216021 -1,1256091 56,4776977 128,334736 0,65455048
159,58217 55,0568575 -7,02146138 -5,9235419 -8,4437701 -17,404459 -6,0387081
NA 99,5121943 -9,2008428 -7,2174974 -9,965937 -19,594299 -6,8086147
99,5121943 NA 65,9271231 -1,2693534 -4,8594118 140,419124 -2,1495732
-9,2008428 65,9271231 NA 108,583203 -2,3845377 1,91758822 77,4080718
-7,2174974 -1,2693534 108,583203 NA -1,3241582 -2,5280048 199,880397
-9,965937 -4,8594118 -2,3845377 -1,3241582 NA -2,75270558 143,81517
-19,594299 140,419124 1,91758822 -2,5280048 -2,75270558 NA 518,603787
-6,8086147 -2,1495732 77,4080718 199,880397 143,81517 518,603787 NA
-7,5576931 -1,3410883 90,7729242 40,7856376 73,6931887 1140,75403 0,28240485
-7,1554464 -3,223052 308,104558 61,5112474 77,1486683 1129,5915 -1,8510909
-7,3251563 -0,2214878 80,9857831 7,5349367 11,7159924 869,602423 -0,773913
-11,981596 -6,1080597 -2,9597121 -0,44465997 59,1035826 47,5086481 -0,6370665
-5,1916197 -0,0384203 -26,78269 -22,796214 -27,6009721 -27,574853 -26,82893
-4,9813801 0,76920606 -28,404084 -24,498871 -28,833085 -31,257386 -23,85693
-8,7130702 -2,340041 14,7928107 5,63687872 18,5375605 1324,17271 0,28135811
-6,5078295 -2,5621011 56,8258695 26,5008256 -0,6149843 272,879459 -0,7948495
-6,3800386 -2,8092465 -2,0675753 -0,3266445 56,3626017 103,113289 6,22590229
-11,680308 23,1436651 77,1920374 -0,2210299 16,3435714 186,267703 -0,7538185
-6,25282114 11,9927747 145,808296 4,88748845 -0,3874461 77,8073733 -1,6065304

strain.3240_	strain.3242_	strain.3243_	strain.3390_	strain.3391_	strain.3392_	strain.3393_
3,21833402	-0,4964566	4,70500345	14,8395824	-23,949286	-21,7793741	3,14101754
7,7125589	-0,6595314	1,49599694	136,612244	-24,657189	-23,02324	6,69871146
34,1597242	473,197225	154,546204	-1,1511126	-26,413261	-25,110606	90,9144432
6,9042138	130,527373	9,76314677	0,38922298	-25,790985	-29,697002	1,04151024
6,37169305	51,3569916	8,52591551	-1,0616362	-26,443161	-28,798126	10,5339837
13,2624833	307,893761	14,140131	1,08463759	-29,39253	-30,48543	9,27627054
28,0073253	25,4901695	3,50496855	-1,1100991	-19,763989	-24,656811	15,2608147
1,71117634	-0,9647468	-1,54555994	-0,8022004	-24,753275	-29,594183	-0,383154
916,425003	2112,07207	239,178957	91,3466728	-26,7213213	-28,742448	341,455618
23,5744307	-1,0037853	-0,47650477	1,37461076	-23,987196	-28,017422	0,35628935
993,540234	2743,26028	126,334403	91,1049756	-30,465664	-30,816633	173,819971
4042,31043	7750,08699	1719,34688	676,075699	-18,195046	-9,0944617	2822,59834
5,65221621	-0,6511133	0,71818823	0,38710262	-26,102442	-22,845176	-0,5380302
108,249072	521,233811	25,9615864	13,7631265	-24,229598	-27,400693	102,405927
-1,4427507	-0,5306187	-1,2637269	-1,33431295	-22,965559	-22,978061	-1,53652154
148,45789	414,406617	9,98730333	22,1208544	-28,089945	-29,965501	68,0271531
-0,248609	104,230669	0,68635825	-1,4464736	-25,212852	-24,149745	1,45463966
19,5052193	136,396833	4,07712391	5,95517296	-26,9063818	-27,0166939	8,70550216
247,532679	773,438349	25,6082158	58,443053	-28,619505	-29,327428	26,0494916
4,84169866	105,353323	-0,9728913	-0,5385256	-23,528054	-24,228574	0,88492695
1615,26693	4020,77447	382,301358	305,891322	-25,578679	-27,1153791	672,452126
112,893872	232,683042	33,1117797	2,04719013	-27,414645	-31,897376	101,520171
15,3820794	-5,3034168	7,00859059	0,10917396	-17,8527935	-17,660077	0,04119914
20,5258688	69,2115321	8,88362274	0,2976877	-24,884671	-28,563999	18,9771553
55,7468647	267,897332	19,9493512	4,41490037	-26,472664	-27,963541	58,437622
13,115828	-1,6463813	7,64506158	-0,91483	-20,310595	-20,429684	2,20938969
47,3876462	50,796825	3,39345974	1,57919595	-22,257833	-24,174214	30,1095085
255,060746	313,121258	129,408554	-0,4532624	-26,2367	-23,703029	87,086416
98,3810941	799,764808	49,9427869	0,88818038	-27,325263	-28,236332	119,713705
1,23340027	72,6419868	-1,2817748	-1,9192474	-22,989177	-24,236967	1,80952266
54,6095921	370,496617	2,89738958	0,8784184	-27,237667	-27,057707	50,6979814
151,827342	414,414413	25,0805517	3,38933707	-28,598009	-27,471288	90,9473681
83,9847915	336,892786	7,07290316	0,27355581	-25,803832	-28,391038	75,6069942
6,56253958	67,9044002	-0,812804	-1,3761034	-24,705348	-27,724319	3,4801931
46,7516694	65,2707455	8,72299987	0,87763018	-27,700628	-29,00042	32,520046
16,3687471	44,5011189	0,29847561	-1,8494863	-28,286357	-25,645975	8,67408239
12,2098452	-0,6703652	0,35181174	-1,8765704	-26,667813	-27,986926	8,12716428
5,12606595	146,491529	-1,0202005	0,06837475	-23,469297	-28,134079	7,43197745
42,3618696	268,733117	9,46584424	1,80234274	-28,33793	-28,38109	23,0617332
14,1925931	339,059038	0,59047014	-0,9852722	-27,234598	-24,159528	4,03335216
37,623172	315,729106	1,77649983	2,47641411	-27,166686	-28,179309	19,6947858
40,595355	250,877478	14,8339188	2,60146231	-26,282133	-29,944646	29,5479959
59,5957349	149,056714	7,30656504	3,45606246	-27,056025	-31,397461	30,0692438

4,12663759	-0,5488753	-1,38640038	31,7442375	-23,022151	-22,587174	3,10547096
11,8414871	-0,1773678	3,46201766	-0,027315	-19,431212	-20,1490639	2,8465767
28,8757458	-1,7282139	8,01013946	-0,8638845	-20,998873	-20,685401	9,90246879
176,594598	407,466116	386,492142	9,85058108	-29,426822	-28,265418	72,0197603
171,993979	1787,10565	269,822937	15,0869141	-26,1095	-22,843803	127,698272
969,893045	2321,34645	497,093506	21,6907601	-26,258675	-30,450204	278,005575
907,134162	1773,61357	449,717212	20,1345296	-28,18313	-28,076154	228,945706
767,564139	346,098517	365,447254	82,4380943	-15,650509	-10,766593	75,927809
932,876622	391,059037	473,428669	116,5219	-14,767605	-5,2459696	95,602671
139,086573	583,253633	182,115886	15,080105	-27,77899	-27,202562	79,1410338
457,871403	968,071578	137,784969	11,8113898	-28,6732428	-30,755697	76,5682556
81,8738913	341,404923	208,358534	-0,9947486	-28,882973	-27,6289993	29,7766227
39,9034163	132,80826	138,733046	-4,8392526	-27,6136953	-29,340491	12,933332
4,90041204	5,1288122	5,39261728	-1,7239014	-25,729656	-25,91952	5,34418066
-1,1489262	-1,104069	6,85314568	-0,4553953	-27,0917	-26,50315	-3,4711584
34,6148507	-0,9417126	4,76501503	23,6111772	-29,818814	-27,9984889	30,0394202
14,7276374	107,201376	0,51915105	-1,4186811	-26,853367	-28,562012	1,10379751
8,38714768	36,202379	-1,6895476	3,89844527	-28,8975494	-26,991106	17,2232426
5,70529811	21,1535557	2,37044295	3,69158717	-24,467379	-29,206363	10,1783633
9,40718113	494,200832	1,1420136	3,33181536	-27,091496	-27,993437	8,53791767
12,3619633	-0,9654799	-0,5627325	-1,8981415	-30,000227	-31,324529	0,58985969
11,0429476	-1,1023596	-0,7256099	-3,9195088	-28,494732	-30,867647	-1,0655817
8,24366335	62,8306239	9,05925134	-0,8278246	-25,695321	-24,596324	3,047527
39,4687984	84,9518918	59,9674044	-0,8364384	-26,659679	-30,293293	10,5142205
2,35766332	-0,8616337	1,18524942	-1,4781449	-27,235611	-29,080859	-0,6288099
188,619658	798,583425	193,178915	43,3661826	-29,765189	-35,067383	170,219141
2,28376616	108,486033	0,95183073	-0,1124398	-23,22468	-23,632648	8,63370241
-0,9789019	5,90129038	2,63760227	-2,0720927	-21,877072	-22,62914	1,1508765
2,15919371	0,35931264	1,95240378	-1,4573825	-25,200484	-23,705109	1,24099385
-0,5940041	5,78404126	3,90841249	-1,0527781	-22,178943	-21,157238	-1,0283702
30,3908116	44,3092593	9,76204164	-2,65854628	-22,493943	-21,769826	5,43409299
-1,3992976	-2,6374895	-0,326797	-3,9053956	-42,628135	-39,23539	-0,6466653
215,739394	288,357624	105,814304	60,7191348	-25,186164	-26,14572	112,262004
545,071297	335,36623	57,0706919	428,238156	-31,010062	-31,300281	182,612077
5,98515672	213,040918	26,7987692	-1,7882249	-24,047276	-23,74542	21,6115735
0,49703361	120,455121	0,51391728	-0,928551	-25,627924	-30,061049	1,15675715
-1,0257805	3,23236907	-0,4940713	-1,491772	-29,859585	-27,330214	-1,4794144
2,65233147	0,71828153	27,9979551	-2,1094914	-25,159166	-23,740607	0,59830855
-1,0837885	-0,9374875	5,87849562	-2,0518862	-20,822672	-25,161188	-0,5240521
-0,2010041	-2,9369294	-0,83370581	-1,3935758	-34,497351	-32,786896	-1,2416037
0,80349832	-0,7400071	6,7870044	-1,8978429	-21,786953	-24,372357	0,20818658
0,74085339	381,273982	13,0822918	2,86757905	-27,414244	-30,570049	21,8788554
-4,9369955	-2,6374895	-1,2867258	-6,6951019	-60,051533	-86,271257	-3,578244
3,60954931	-1,3507911	7,68622969	-1,6225075	-23,358547	-27,431267	8,36299003

31,9631382	48,1966444	91,4056424	-0,8560431	-25,952607	-28,879704	3,0580026
145,1549	510,984068	401,941386	15,3298089	-25,489174	-27,958049	65,1074201
118,021289	438,392313	342,341357	12,0556734	-29,0906	-30,647287	62,5246075
6,94532338	180,789474	4,20219766	-0,8252047	-28,451946	-28,528314	8,59143244
346,911794	1330,27813	269,738561	118,640475	-31,123393	-30,53433	165,288
0,8132232	-2,6374895	-0,5872389	-2,0944319	-30,203811	-21,962493	0,40316395
401,683646	180,631684	104,673664	5,10400487	-26,823939	-32,066577	85,3178928
4,48975048	49,386949	3,70699465	-0,7876276	-27,0096535	-26,568107	8,46088748
1,57816141	-0,7814181	1,98679166	-1,4850056	-21,599674	-25,383533	5,90722746
67,493267	247,326443	127,556801	1,02534457	-26,323061	-33,088209	91,2993169
-1,0573193	-0,42439532	-0,6810658	-1,1132534	-29,662231	-26,1324345	1,33406197
197,017196	83,7942919	41,3156002	31,9677883	-28,213764	-29,203274	242,58443
10,5391849	-0,8590833	-0,873637	-0,9920947	-24,521185	-24,573931	5,28745032
257,314047	654,385122	69,3768194	30,3036927	-28,034269	-30,894064	430,483852
79,9436565	166,815967	22,2493984	56,3996371	-26,710452	-27,640206	34,5435948
2,1245774	-1,07637035	-1,6305236	12,5274801	67,5921078	110,041627	-2,2400378
14,1971353	318,802072	-0,5287144	0,7721841	-26,668806	-28,570104	23,8153005
12,0155353	404,474573	1,57304536	-1,1699156	-28,281473	-28,839618	43,9707694
117,024266	247,951761	459,008542	1,43887101	-24,761193	-25,27358	28,7941937
6,70513457	-0,2106232	8,73706403	-1,2414999	-21,620322	-22,676367	-1,106209
-1,3642423	-0,240046	-0,2123801	-1,8176278	-36,528901	-49,939409	-0,9498214
-0,2630869	-2,6374895	5,71028043	-1,3162859	-24,1426	-27,3505276	-0,5658585
7,57389967	-0,2217851	1,19961006	-0,7291846	-23,035829	-24,145012	1,46935632
2,07254748	-2,6374895	-0,8588933	-1,5792195	-27,385722	-31,114593	0,26102922
3,16706763	-0,4126707	4,39285783	-0,8814187	-24,436651	-22,0296983	12,8615416
1,17238639	-2,6374895	-1,0697981	-3,5770663	-39,942262	-49,725884	0,88519547
242,086769	1047,94778	283,290071	40,8535792	-27,406142	-29,863738	163,333544
521,964813	1857,97619	377,152718	207,702164	-28,997069	-29,318167	543,929978
14,8001368	-0,8937542	8,09393666	-2,0544323	-25,07816	-23,105869	7,45483277
-0,5415548	-0,2961781	6,95461622	-1,18170694	-27,955481	-21,736269	2,20433164
-0,2396937	-0,4003869	7,59635462	11,7917321	-20,177579	-22,323554	1,50988443
15,4924654	-1,2311261	18,3448017	11,3718812	-24,107653	-20,738526	9,90099154
1226,60135	1363,06371	636,152403	44,3627158	-22,48624	-26,92332	1219,46824
158,068742	73,9875642	10,0405507	20,9046099	-24,5552303	-27,91833	15,3524383
3,53043035	15,043382	3,89243723	0,17144634	-24,619538	-22,068519	5,14738414
98,6327887	37,0446945	37,7907196	2,17353353	-23,459821	-24,507818	113,023409
2,00815374	-2,6374895	1,4676195	-0,4924495	-21,92721	-21,780736	-0,389344
1,17402982	-0,2523913	0,43344401	-1,0830874	-30,83069	-31,579608	-0,319219
2,47790896	-2,6374895	4,00127848	-1,60778322	-20,154442	-23,855867	6,09717183
22,4907367	13,4816096	15,6855149	-1,033116	-25,054469	-29,296213	29,6296235
0,641838	-2,6374895	-1,2641066	-3,8799035	-32,073533	-35,796264	-1,3531604
-1,27467	-2,6374895	-2,5082871	-2,2734274	-39,979571	-39,481398	-1,3133533
918,39176	2253,51244	780,081204	42,6579177	-25,291851	-26,947396	916,163744
256,135658	1020,37004	1077,27121	31,674992	-26,695198	-29,52107	119,375549

0,14089649 -2,6374895 4,19770732 -0,9707763 -24,149738 -26,250531 0,59616743
-0,4902386 -2,6374895 -2,34779444 5,64112697 -34,540586 -36,266975 -0,2991462
68,6943377 74,2632588 31,938444 -0,1178628 -24,066579 -26,72398 103,343088
3,61371803 18,4701554 2,48980593 -0,9802752 -28,2927751 -31,359874 10,2526715
1,04674835 -0,6408398 3,79544577 -1,5976095 -22,990925 -24,807556 0,38517749
-0,70220696 -0,5426988 -0,7728847 14,5056664 -23,1106143 -22,474915 1,68280321
18,254452 3,82959281 6,8761476 -1,1192076 -18,7654922 -18,047531 4,33952211
240,809763 21,7380418 62,9700381 12,8967075 -21,308524 -20,596036 82,8621668
-0,38531424 -2,6374895 -1,186696 -1,9737316 -28,188854 -24,49964 -0,8677177
89,6762688 57,3284095 165,145974 3,25708304 -27,285368 -27,311864 19,466843
87,8033495 71,5006281 117,472733 2,57596592 -26,992383 -27,032934 18,0478255
192,877259 786,183419 718,631787 18,348609 -28,542807 -29,190495 102,148971
79,5730423 31,4126755 23,3471649 -0,8575474 -22,300122 -22,735078 34,4073656
148,888928 425,402776 22,6307376 1,03229267 -21,162613 -20,983799 95,1688202
-1,2914469 -0,2217851 -1,342709 -1,5863066 -25,013918 -22,985695 -0,8215655
1,12178292 -2,6374895 -0,4641333 -0,5143846 -30,233869 -28,062894 0,78127023
14,7230609 -0,4698881 1,60281561 6,48681248 3,75723764 2,02797614 20,0015321
13,401786 -8,4053829 80,1476544 40,1124792 -1,7869815 -0,8517718 45,7173801
3,12101548 -0,8378894 4,10092044 1,37986138 -0,8622969 -0,3592293 3,30636251
3,77905034 0,56115039 7,05695462 -0,3804047 4,65540158 5,99155223 4,4543709
4,55931885 -1,5997916 0,91588302 36,8002573 1,36913496 3,01325911 3,55547252
-6,5891068 -6,7312445 -6,9577444 -10,614678 -4,847428 -5,2269448 -8,3488605
-7,5576931 -7,1554464 -7,3251563 -11,981596 -5,1916197 -4,9813801 -8,7130702
-1,3410883 -3,223052 -0,2214878 -6,1080597 -0,0384203 0,76920606 -2,340041
90,7729242 308,104558 80,9857831 -2,9597121 -26,78269 -28,404084 14,7928107
40,7856376 61,5112474 7,5349367 -0,44465997 -22,796214 -24,498871 5,63687872
73,6931887 77,1486683 11,7159924 59,1035826 -27,6009721 -28,833085 18,5375605
1140,75403 1129,5915 869,602423 47,5086481 -27,574853 -31,257386 1324,17271
0,28240485 -1,8510909 -0,773913 -0,6370665 -26,82893 -23,85693 0,28135811
NA 99,7602172 25,4031141 2,4980154 -23,011111 -27,135945 48,2467718
99,7602172 NA 1,49175684 -3,14599442 -40,513892 -32,887473 -0,9627537
25,4031141 1,49175684 NA -1,2345759 -23,889866 -25,653223 16,0222213
2,4980154 -3,14599442 -1,2345759 NA -22,5617571 -27,816007 48,9982643
-23,011111 -40,513892 -23,889866 -22,5617571 NA 200,684097 0,77065923
-27,135945 -32,887473 -25,653223 -27,816007 200,684097 NA 3,56893101
48,2467718 -0,9627537 16,0222213 48,9982643 0,77065923 3,56893101 NA
44,9228534 5,19430298 120,585071 26,9940206 181,293179 150,340446 9,31438967
3,42724895 5,26269833 -0,4212106 10,3137435 -0,9965199 -1,0329657 9,69095918
6,28161753 -2,2562717 -0,1813599 3,93596064 -1,9351367 -1,9226815 9,06845059
1,93486961 -1,4619428 4,6005869 -1,0099106 23,1445424 19,5708411 -0,0918117

strain.3394_ Istrain.3395_ Istrain.3396_ Istrain.3399_ trem_ AdultFemale

-0,8702424	-0,8190748	-0,5771848	-0,7792339
-0,8130554	4,97954791	0,16007231	-1,5964513
65,3044404	18,6875272	26,433637	24,2874358
2,96170013	457,677968	14,5707491	-1,3842362
8,10830064	8,85717854	-0,1631511	-0,3626374
16,4058902	582,595393	34,1971256	10,2933161
12,2158719	1,8683647	-1,209029	-0,1190083
-1,0392061	23,657796	1,50456539	-2,42032515
336,635836	4162,46606	587,949155	375,33061
2,12602706	345,032427	18,4745946	1,41549435
195,98872	5440,24518	430,214913	168,984347
2617,81883	5969,23872	1603,94594	1156,45223
5,20769435	202,204078	2,48850318	-1,036349
25,9707218	1588,63785	72,9484983	25,2943474
-0,83407394	105,653165	-0,0764255	-1,561656
26,4436112	2070,12335	69,5754709	12,4388098
-0,7358101	324,166643	3,38710655	-1,9107388
3,71338232	680,269532	18,7503539	8,49247297
2,91330718	929,529178	96,5202865	38,7596321
-1,4893997	129,447798	4,17666071	-1,5146554
477,042036	4268,64922	653,132674	376,700948
13,8020408	31,414145	33,8670487	12,3280097
67,7721158	2,36303984	-1,8247496	10,7016011
-0,0405843	5,16408095	2,51941045	-0,2250186
9,09025289	8,13271527	14,9996164	0,14189629
44,7970073	-1,1387889	-1,4076843	4,78313046
11,1464752	39,2995395	10,4365566	-0,8847276
540,652267	26,4088846	150,440153	188,605343
43,2641635	14,163153	54,7545108	12,1444208
-0,8262402	12,8617091	2,8878845	-2,1161541
2,50670158	180,847215	48,7719303	3,3540556
173,856647	60,6317886	79,9542525	13,5524413
30,3881739	21,2951854	51,0772642	4,45454467
-1,5247567	18,1515812	4,87234927	-2,1541729
35,3735128	11,6447272	10,3581999	1,54241817
-1,1013234	26,8495814	7,97359061	2,5176941
5,11651499	0,11896854	1,93817994	-1,0800588
-0,9729453	229,314141	6,30077057	-0,6387887
2,14890948	260,011514	16,2536049	0,30849317
-1,06903254	69,7666564	9,52064229	0,47524819
5,32277304	581,14765	17,5611374	3,27228312
2,50370818	248,872379	25,759433	7,02771328
8,15028679	72,4115036	25,7260707	4,9792653

0,7624132	6,32568519	-0,9329017	-0,1090797
43,6593137	-0,2298503	-1,5003815	6,50011149
27,1182508	0,40399857	-0,2879605	11,646431
1342,46446	15,0708018	34,4753982	63,1310548
356,616553	142,634705	172,013254	237,032504
333,139071	138,682474	496,318048	632,121222
281,698396	60,9075065	490,206916	594,841951
448,402421	9,10373583	397,989794	793,897698
578,957737	16,5192609	515,389216	793,410175
569,748276	183,044594	162,884097	258,579068
140,226668	189,929472	130,431974	141,586081
126,265701	14,6692806	132,224488	341,158731
43,3458355	6,46909983	73,8402288	208,446659
7,04825218	-1,1650833	8,59708764	14,4036382
-0,9212201	-0,03067	-6,0937767	-3,3185802
-2,2577682	151,551811	2,90690841	-1,4058975
7,74568894	514,84177	2,00890037	9,25870558
2,03735572	210,662865	6,80279034	5,15221345
7,96811206	41,747464	-1,1113683	7,57232667
14,2574612	63,2690692	1,2957507	7,37595177
-1,7787183	8,20238486	2,5374769	16,0132962
-1,0661528	10,0005759	6,1168295	19,1715722
0,34571681	2,46987391	1,22792392	3,27014143
89,533411	4,21307706	1,73251718	2,61734356
5,28308891	378,91176	1,47736356	-1,2098548
530,763363	34,2154485	5,70148342	13,5319658
7,05553588	46,3845015	10,5289328	-1,5877989
30,7897721	-1,117684	-1,009311	9,24484585
2,45867806	-0,754917	-1,4552114	-1,3178675
-1,0233593	-0,7125395	-0,9707687	2,39827998
134,073777	0,05549221	-0,3218795	5,0562491
-0,6831088	-1,3588159	-3,6226963	-3,2104246
140,17126	282,628699	53,2862423	83,3051276
52,2147233	75,0536131	158,891143	110,299067
-1,3238917	3,31695002	22,9127806	4,45899812
0,58501225	4,91656145	4,38870581	-1,4442299
-0,40808059	-2,1854128	-2,5564106	-0,1053087
73,1142626	0,66933991	5,48261092	45,6419105
29,5467107	-1,241679	-0,9646381	8,00240684
-3,7921144	15,9823231	-1,7553346	-0,8875102
18,2524936	-1,2669322	-1,4357189	4,57017943
19,125941	459,391394	38,9063621	-3,1794094
-4,0943269	-1,10769128	-19,0026	-2,0482888
16,6408538	10,670411	3,45471001	1,90751718

655,410198	6,4991618	1,5087298	14,0919412
2148,6036	19,509142	33,0171473	120,260038
2087,36467	6,7777381	25,1091991	86,7250265
137,755456	189,108784	2,51284521	1,44271915
1028,06079	69,0962312	13,4927436	41,9182266
-0,67248578	-0,7764576	-1,4598392	-1,52116543
56,7956192	5,34276823	15,2923861	5,47416292
-0,5879886	1,00717057	-0,5416085	1,05367519
-0,8118941	-1,4954594	-1,0107985	-0,415848
40,8670421	6,4597685	20,2882132	20,8888967
-2,4571917	-1,0935579	-2,2972773	-1,4835424
16,7988349	38,1069463	40,329352	-1,5948942
4,49961515	1,25453254	0,36194888	1,67401388
16,7948267	53,5182123	70,926828	3,24929823
76,4895226	73,5738839	30,8652864	5,22837166
9,22998373	-1,9593267	-4,3320462	-0,0216789
0,57059329	1029,53379	32,5911742	-1,9646176
9,26274289	29,2301004	18,8781939	-1,2301281
1195,4039	0,98420701	35,3207793	103,515537
226,101722	-0,6018253	-2,1783504	-0,6214692
3,74417926	-6,464695	-2,6429086	-1,8675211
1,82487819	-1,3165387	-1,8946461	0,73464235
0,7437621	-0,723817	-0,9494755	-1,02853177
-0,7759452	6,86809919	-1,1017158	-2,3406199
-0,7321777	-0,6396116	-1,1068556	-1,1004832
-0,8961289	2,10388577	-2,6590786	-2,4519739
477,332224	10,1295693	10,0022392	19,9727543
827,198646	164,461361	33,0869797	40,0454067
9,9159365	182,999189	12,7297668	1,70980067
-0,4536987	-0,622926	-1,4860369	-1,0024428
5,90437645	-0,7113726	-1,6027943	-0,36281756
40,7214377	0,73247437	1,91400123	0,51153875
230,635171	137,927334	180,621514	44,3342823
-2,6943277	8,01520196	86,8793284	94,1435554
-1,3149445	-0,4704219	-0,5216135	-0,4519616
95,9186573	2,39196604	11,8057632	1,03175126
2,13393323	-0,8047798	-0,8110394	-0,3941006
19,1647736	-0,7291789	-2,3330343	-1,0505589
-0,64575385	-1,3924509	-1,298976	0,76086927
5,4507788	1,35500119	3,64258233	3,08971328
-4,0943269	-0,6696683	-4,9387135	-2,4287755
-1,9502316	-0,5141572	-2,0663788	-2,3720854
200,520849	37,504506	190,09728	132,13814
2213,31209	25,0105724	41,7386667	89,9989258

9,79635067	-12,422952	-1,3857778	-0,4973411
-5,56040573	-0,6853197	-2,9844873	-1,3485919
8,03732984	-1,396588	8,03504694	-0,234995
0,61101428	-1,2896578	-1,2600143	-1,268265
12,9369609	-0,7743151	-1,541717	0,45575172
-0,6987312	-0,6140442	-1,8404505	-1,1146409
40,1084109	-0,5176405	-1,5180307	9,69169505
168,594309	6,84804016	7,87523816	37,5473045
-0,6207042	204,696558	-2,3359498	-1,9057361
1308,43492	9,5297352	10,4822316	29,0214613
801,831758	4,13672207	5,66813065	12,4174208
1785,94594	32,3370065	38,4885582	78,7569166
7,58341471	-0,6556359	1,78744506	-0,5703526
6,54546629	814,328976	78,8010373	162,973653
13,8142646	0,4577143	-2,7483722	1,59270109
2,07695304	1,30395117	-1,8733023	-0,9194818
-0,7297399	0,92244119	90,1321811	3,51304563
-0,9861877	-1,4820755	122,016027	58,3243717
1,65370845	-0,6456369	54,5489088	5,47790195
-0,5809387	-0,4483171	104,289541	21,050069
-0,8476446	-1,2434107	129,103071	18,4026425
-6,3098176	-5,6042346	-9,7831586	-5,4144119
-6,5078295	-6,3800386	-11,680308	-6,25282114
-2,5621011	-2,8092465	23,1436651	11,9927747
56,8258695	-2,0675753	77,1920374	145,808296
26,5008256	-0,3266445	-0,2210299	4,88748845
-0,6149843	56,3626017	16,3435714	-0,3874461
272,879459	103,113289	186,267703	77,8073733
-0,7948495	6,22590229	-0,7538185	-1,6065304
44,9228534	3,42724895	6,28161753	1,93486961
5,19430298	5,26269833	-2,2562717	-1,4619428
120,585071	-0,4212106	-0,1813599	4,6005869
26,9940206	10,3137435	3,93596064	-1,0099106
181,293179	-0,9965199	-1,9351367	23,1445424
150,340446	-1,0329657	-1,9226815	19,5708411
9,31438967	9,69095918	9,06845059	-0,0918117
NA	-1,2117536	-2,4470028	2,2422227
-1,2117536	NA	-0,5142368	-1,5272419
-2,4470028	-0,5142368	NA	36,4084959
2,2422227	-1,5272419	36,4084959	NA