

Genotype sorted										1/5	15/40	Partner sorted										7/17	21/56
GT	Pa	BH	GT	BH	Pa	GT	typical	Diurnal?				GT	Pa	BH	GT	BH	Pa	GT	typical	Diurnal?			
myo-Inositol	7.4E-06	1.1E-05	5.2E-04	6.9E-05	.	6			Unknown_at_712900	2.2E-05	8.8E-26	5.2E-04	7.9E-24	.	#N/D						Succinic acid	3	
Glyceric acid	1.5E-05	1.6E-05	5.2E-04	9.5E-05	.	7			Unknown_at_829650	3.3E-02	7.3E-09	6.7E-02	2.7E-07	X	#N/D						Serine	5	
Unknown_at_712900	2.2E-05	8.8E-26	5.2E-04	7.9E-24	.	#N/D			Succinic acid	9.9E-03	9.2E-09	2.9E-02	2.7E-07	.	#N/D						Citulline or Arginine	12	
Threonic acid	2.3E-05	2.9E-05	5.2E-04	1.5E-04	.	#N/D			Aspartic acid	4.0E-04	4.1E-08	3.1E-03	9.2E-07	.	#N/D						myo-Inositol	14	
Ribitol	6.8E-05	7.2E-04	1.2E-03	2.1E-03	.	#N/D			Serine	1.2E-02	5.5E-08	3.4E-02	9.8E-07	.	4						Glyceric acid	15	
Valine	1.5E-04	5.8E-04	2.2E-03	1.8E-03	.	12			Benzoic acid	3.3E-02	2.3E-07	6.7E-02	3.4E-06	X	#N/D						Threonine	17	
Unknown_at_740921	2.0E-04	2.7E-01	2.5E-03	3.5E-01	X	#N/D			Ethanolamine	5.1E-01	3.1E-07	6.0E-01	3.9E-06	X	#N/D						Raffinose	24	
Gluconic acid	2.2E-04	2.3E-05	2.5E-03	1.3E-04	.	#N/D			beta-alanine	3.8E-01	7.8E-07	4.7E-01	8.7E-06	X	#N/D						Tyrosine	25	
Pyruvic acid	2.7E-04	1.2E-02	2.7E-03	2.0E-02	.	22			Arabinose MP	6.8E-03	9.1E-07	2.4E-02	9.0E-06	.	#N/D						Glycine	26	
Methionine	3.8E-04	1.4E-02	3.1E-03	2.4E-02	.	23			Indole-3-acetonitrile	4.8E-04	3.0E-06	3.1E-03	2.6E-05	.	#N/D						Valine	28	
Aspartic acid	4.0E-04	4.1E-08	3.1E-03	9.2E-07	.	#N/D			Spermidine	1.0E-03	5.3E-06	5.4E-03	4.0E-05	.	#N/D						Malic acid	29	
Alanine	4.5E-04	2.6E-03	3.1E-03	6.3E-03	.	17			Citulline or Arginine	7.1E-02	5.4E-06	1.2E-01	4.0E-05	X	5						Fumaric acid	30	
Dehydroascorbic acid dimer MP	4.6E-04	3.3E-03	3.1E-03	7.4E-03	.	#N/D			Maltose	3.4E-02	6.3E-06	6.7E-02	4.3E-05	X	#N/D						Proline	33	
Indole-3-acetonitrile	4.8E-04	3.0E-06	3.1E-03	2.6E-05	.	#N/D			myo-Inositol	7.4E-06	1.1E-05	5.2E-04	6.9E-05	.	6						Leucine	35	
Unknown_at_412783	6.5E-04	6.4E-03	3.8E-03	1.3E-02	.	#N/D			Glyceric acid	1.5E-05	1.6E-05	5.2E-04	9.5E-05	.	7						Alanine	36	
Unknown_at_934500	8.8E-04	4.7E-01	4.9E-03	5.7E-01	X	#N/D			Gluconic acid	2.2E-04	2.3E-05	2.5E-03	1.3E-04	.	#N/D						Phenylalanine	37	
Spermidine	1.0E-03	5.3E-06	5.4E-03	4.0E-05	.	#N/D			Threonine	1.7E-02	2.8E-05	4.1E-02	1.5E-04	.	8						Isoleucine	41	
Asparagine	1.4E-03	1.1E-02	6.8E-03	2.0E-02	.	#N/D			Threonic acid	2.3E-05	2.9E-05	5.2E-04	1.5E-04	.	#N/D						Glutamine	47	
Phenylalanine	1.5E-03	2.6E-03	6.8E-03	6.3E-03	.	18			Erythritol	1.9E-02	4.2E-05	4.3E-02	2.0E-04	.	#N/D						4-Aminobutyric acid	48	
Trehalose	1.6E-03	4.8E-03	7.2E-03	1.0E-02	.	#N/D			Ascorbic acid	2.6E-01	5.1E-05	3.4E-01	2.3E-04	X	#N/D						Pyruvic acid	53	
Sinapic acid (trans)	1.7E-03	9.5E-03	7.2E-03	1.8E-02	.	#N/D			unknown_at_562514.4	1.4E-01	5.5E-05	2.0E-01	2.3E-04	X	#N/D						Methionine	54	
Sucrose	4.8E-03	4.5E-01	2.0E-02	5.5E-01	X	25			1,6-Anhydro-beta-D-glucose	1.8E-02	6.2E-05	4.1E-02	2.5E-04	.	#N/D						Fructose BP	74	
Galactinol	5.9E-03	1.6E-04	2.3E-02	6.3E-04	.	#N/D			Galactinol	5.9E-03	1.6E-04	2.3E-02	6.3E-04	.	#N/D						Sucrose	75	
4-Hydroxycinnamic acid	6.1E-03	8.1E-04	2.3E-02	2.2E-03	.	#N/D			Raffinose	4.6E-02	1.9E-04	8.7E-02	7.0E-04	X	9						Glucose BP	77	
Arabinose	6.5E-03	9.1E-07	2.4E-02	9.0E-06	.	#N/D			Tyrosine	7.6E-02	2.8E-04	1.3E-01	9.8E-04	X	10						2,3-dimethyl-5-phytyl-Quinol	#N/D	
Unknown_at_748130.9	7.4E-03	6.7E-02	2.5E-02	1.0E-01	X	#N/D			Glycine	2.2E-02	2.9E-04	5.0E-02	1.0E-03	.	11						alpha-Tocopherol	#N/D	
Unknown_at_983620	9.2E-03	4.9E-04	2.9E-02	1.6E-03	.	#N/D			Unknown_at_983620	9.2E-03	4.9E-04	2.9E-02	1.6E-03	.	#N/D						Arginine	#N/D	
Succinic acid	9.2E-03	9.2E-09	2.9E-02	2.7E-07	.	3			Valine	1.5E-04	5.8E-04	2.2E-03	1.8E-03	.	12						beta/gamma-Tocopherol	#N/D	
Glutamine	1.1E-02	6.9E-03	3.4E-02	1.4E-02	.	20			Malic acid	1.1E-01	5.8E-04	1.7E-01	1.8E-03	X	13						Cryptoxanthin	#N/D	
Unknown_at_752541	1.2E-02	8.7E-03	3.4E-02	1.6E-02	.	#N/D			Fumaric acid	1.7E-02	7.1E-04	4.1E-02	2.1E-03	.	14						DOPA	#N/D	
Serine	1.2E-02	5.5E-08	3.4E-02	9.8E-07	.	4			Ribitol	6.8E-05	7.2E-04	1.2E-03	2.1E-03	.	#N/D						Ecosenoate (C20:1)	#N/D	
sugar compound	1.3E-02	1.0E-02	3.5E-02	1.8E-02	.	#N/D			4-Hydroxycinnamic acid	6.1E-03	8.1E-04	2.3E-02	2.2E-03	.	#N/D						Ferulate	#N/D	
Iaconic acid	1.6E-02	3.4E-01	1.1E-02	4.2E-01	X	#N/D			Proline	6.2E-01	8.9E-04	8.6E-01	2.4E-03	X	15						Glycerol-3-P (polar fraction)	#N/D	
Threonine	1.7E-02	2.8E-05	4.1E-02	1.5E-04	.	8			Tyramine	1.7E-02	1.4E-03	4.1E-02	3.6E-03	.	#N/D						Homoserine	#N/D	
Fumaric acid	1.7E-02	7.1E-04	4.1E-02	2.1E-03	.	14			Leucine	6.6E-02	2.4E-03	1.2E-01	6.2E-03	X	16						Linoleate (C18:cis[9, 12])	#N/D	
Tyramine	1.7E-02	1.4E-03	4.1E-02	3.6E-03	.	#N/D			Alanine	4.5E-04	2.6E-03	3.1E-03	6.3E-03	.	17						Lutein	#N/D	
Isoleucine	1.8E-02	4.6E-03	4.1E-02	9.9E-03	.	19			Phenylalanine	1.5E-03	2.6E-03	6.8E-03	6.3E-03	.	18						Palmitolenate (C16:2)	#N/D	
1,6-Anhydro-beta-D-glucose	1.8E-02	6.2E-05	4.1E-02	2.5E-04	.	#N/D			Fucose	3.3E-02	2.9E-03	6.7E-02	6.7E-03	X	#N/D						Phosphate	#N/D	
Erythritol	1.9E-02	4.2E-05	4.3E-02	2.0E-04	.	#N/D			Dehydroascorbic acid dimer MP	4.6E-04	3.3E-03	3.1E-03	7.4E-03	.	#N/D						Shikimate	#N/D	
Glycine	2.2E-02	2.9E-04	5.0E-02	1.0E-03	.	11			Sinapic acid (cis)	3.5E-02	1.4E-03	7.0E-02	8.9E-03	X	#N/D						Oxacosanoic acid	71	
Unknown_at_435000	2.6E-02	2.7E-02	5.6E-02	3.7E-02	.	#N/D			Isoleucine	1.8E-02	4.6E-03	4.1E-02	9.9E-03	.	19						Tryptophan	#N/D	
Fucose	3.3E-02	2.9E-03	6.7E-02	6.7E-03	.	#N/D			Trehalose	1.6E-03	4.8E-03	7.2E-03	1.0E-02	.	#N/D						Ubiquinone-50 (Coenzyme Q10)	#N/D	
Benzoic acid	3.3E-02	2.3E-07	6.7E-02	3.4E-06	.	#N/D			Citramalic acid	1.6E-01	5.4E-03	2.4E-01	1.1E-02	X	#N/D						Zeaxanthin	#N/D	
Genotype sorted										1/5	15/40	Partner sorted										7/17	21/56
GT	Pa	BH	GT	BH	Pa	GT	typical	Diurnal?				GT	Pa	BH	GT	BH	Pa	GT	typical	Diurnal?			
Unknown_at_829650	3.3E-02	7.3E-09	6.7E-02	2.7E-07	.	#N/D			Unknown_at_412783	6.5E-04	6.4E-03	3.8E-03	1.3E-02	.	#N/D								
Maltose	3.4E-02	6.3E-06	6.7E-02	4.3E-05	.	#N/D			Glutamine	1.1E-02	6.9E-03	3.4E-02	1.4E-02	.	20								
Sinapic acid (cis)	3.5E-02	4.0E-03	7.0E-02	8.9E-03	.	#N/D			4-Aminobutyric acid	7.6E-01	7.6E-03	7.6E-01	1.5E-02	X	21								
Raffinose	4.6E-02	1.9E-04	8.7E-02	7.0E-04	.	9			Unknown_at_752541	1.2E-02	8.7E-03	3.4E-02	1.6E-02	.	#N/D								
Glycolic acid	5.4E-02	1.7E-01	9.9E-02	2.2E-01	.	#N/D			Sinapic acid (trans)	1.7E-03	9.5E-03	7.2E-03	1.8E-02	.	#N/D								
Octadecanoic acid	6.2E-02	9.1E-01	1.1E-01	9.4E-01	.	#N/D			Sugar compound	1.3E-02	1.0E-02	3.5E-02	1.8E-02	.	#N/D								
4-hydroxy-benzoic acid	6.5E-02	6.2E-01	1.2E-01	7.1E-01	.	#N/D			Asparagine	1.4E-03	1.1E-02	6.8E-03	2.0E-02	.	#N/D								
Leucine	6.6E-02	2.4E-03	1.2E-01	6.2E-03	.	16			Pyruvic acid	2.7E-04	1.2E-02	2.7E-03	2.0E-02	.	22								
Citulline or Arginine	7.1E-02	5.4E-06	1.2E-01	4.0E-05	.	5			Methionine	3.8E-04	1.4E-02	3.1E-03	2.4E-02	.	23								
Tyrosine	7.6E-02	2.8E-04	1.3E-01	9.0E-04	.	10			Unknown_at_435000	2.6E-02	2.7E-02	5.6E-02	3.7E-02	X	#N/D								
Citric acid	9.0E-02	7.5E-02	1.5E-01	1.1E-01	.	#N/D			Unknown_at_813900	1.9E-01	2.3E-02	2.7E-01	3.8E-02	X	#N/D								
Glycerol	9.2E-02	1.3E-01	1.5E-01	1.9E-01	.	#N/D			Adenine	3.4E-01	2.5E-02	4.3E-01	4.0E-02	X	#N/D								
Fructose MP	1.1E-01	3.1E-01	1.7E-01	4.0E-01	.	#N/D			Unknown_at_572200	2.6E-01	2.8E-02	3.4E-01	4.4E-02	X	#N/D								
Malic acid	1.1E-01	5.8E-04	1.7E-01	1.8E-03	.	13			Galactose MP	1.2E-01	4.5E-02	1.8E-01	7.1E-02	.	#N/D								
Galactose	1.2E-01	4.5E-02	1.8E-01	7.1E-02	.	#N/D			Glutamine related compound	7.6E-01	5.7E-02	8.1E-01	8.8E-02	.	#N/D								
Fructose BP	1.2E-01	3.5E-01	1.8E-01	4.3E-01	.	24			Unknown_at_7														