TableS2. Allele frequencies of 51 SNP loci for 19 Mytilus spp. populations

Locus	Allele		ARG30	ARG73	ARG9	IPL	PMD	SAO	BCA	COM	MDP	UBC	PZC	PAR	IRD	LGF	CAM	ORI	NZA	AKAR	KKAT
BM101A	1	A	0	0	0	0.0714	0.5385	0	0.0147	0	0.0139	0.2414	0.4667	0.2879	0	0.0417	1	1	1	1	0
BM101A	2	T	1	1	1	0.9286	0.4615	1	0.9853	1	0.9861	0.7586	0.5333	0.7121	1	0.9583	0	0	0	0	1
BM102A	1	C	0.1167	0.0862	0.1207	0.0345	0.0769	0.0526	0.0735	0.1	0.0139	0.2414	0.3833	0.1818	0.4667	0.3125	0.3393	0.12	0	0	0
BM102A	2	T	0.8833	0.9138	0.8793	0.9655	0.9231	0.9474	0.9265	0.9	0.9861	0.7586	0.6167	0.8182	0.5333	0.6875	0.6607	0.88	1	1	1
BM103B	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.2593
BM103B	2	G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.7407
BM105A	1	A	1	1	1	1	0.7407	1	1	1	0.9861	1	1	1	1	0.9815	0.431	0.5714	0.8704	1	1
BM105A	2	G	0	0	0	0	0.2593	0	0	0	0.0139	0	0	0	0	0.0185	0.569	0.4286	0.1296	0	0
BM106B	1	A	0	0.0333	0.0333	0	0.3333	0	0.1176	0.1143	0	0	0	0	1	1	1	0.8571	0.2692	0	0.9773
BM106B	2	G	1	0.9667	0.9667	1	0.6667	1	0.8824	0.8857	1	1	1	1	0	0	0	0.1429	0.7308	1	0.0227
BM10B	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.1923
BM10B	2	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.8077
BM113A	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
BM113A	2	T	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BM118A	1	A	0	0	0	0	0.1042	0	0	0	0	0	0	0	0	0.0577	0.0926	0.2586	0	0	0.0357
BM118A	2	G	1	1	1	1	0.8958	1	1	1	1	1	1	1	1	0.9423	0.9074	0.7414	1	1	0.9643
BM11A	1	A	1	1	1	1	1	1	1	1	1	1	1	1	0.9833	1	1	1	1	1	0
BM11A	2	G	0	0	0	0	0	0	0	0	0	0	0	0	0.0167	0	0	0	0	0	1
BM12A	1	C	0	0	0	0	0.3519	0	0	0.0147	0	0	0	0	0.8167	0.9815	0.9828	1	1	0.9833	0.125
BM12A	2	T	1	1	1	1	0.6481	1	1	0.9853	1	1	1	1	0.1833	0.0185	0.0172	0	0	0.0167	0.875
BM12C	1	C	0.9483	1	0.9833	1	0.8654	1	0.9677	0.9839	0.9028	0.9655	1	0.9211	0.2143	0.0926	0.1897	0.7414	0.2963	0	0.6154
BM12C	2	T	0.0517	0	0.0167	0	0.1346	0	0.0323	0.0161	0.0972	0.0345	0	0.0789	0.7857	0.9074	0.8103	0.2586	0.7037	1	0.3846
BM147A	1	C	0.9667	0.9833	0.9667	0.8621	0.9259	0.9474	0.8529	0.9	0.9306	0.6897	0.4667	0.7273	1	0.9	0.931	0.7241	0.3148	0.2	0
BM147A	2	T	0.0333	0.0167	0.0333	0.1379	0.0741	0.0526	0.1471	0.1	0.0694	0.3103	0.5333	0.2727	0	0.1	0.069	0.2759	0.6852	0.8	1
BM151A	1	G	0.9483	0.931	0.9038	0.8966	0.9615	0.8611	0.9853	0.9857	0.9028	0	0	0	1	1	1	1	0	0	1
BM151A	2	T	0.0517	0.069	0.0962	0.1034	0.0385	0.1389	0.0147	0.0143	0.0972	1	1	1	0	0	0	0	1	1	0
BM16B	1	A	0.9	0.8793	0.8667	0.8621	0.7037	0.8889	0.803	0.8143	0.8611	0.7759	0.7333	0.803	0.8333	0.75	0.7931	0.7931	0.9074	0.95	0.9107
BM16B	2	G	0.1	0.1207	0.1333	0.1379	0.2963	0.1111	0.197	0.1857	0.1389	0.2241	0.2667	0.197	0.1667	0.25	0.2069	0.2069	0.0926	0.05	0.0893
BM17B	1	A	1	1	1	0.931	0.48	1	0.9853	1	0.9861	0.7586	0.5333	0.697	0.8667	0.6852	0	0	0.0185	0	0.1
BM17B	2	G	0	0	0	0.069	0.52	0	0.0147	0	0.0139	0.2414	0.4667	0.303	0.1333	0.3148	1	1	0.9815	1	0.9
BM201B	1	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.7115
BM201B	2	C	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.2885
BM201C	1	G	0	0	0	0	0.38	0	0	0	0	0	0.0167	0	0.0167	0.0577	0.5893	0.8571	0.4231	0.3276	0
BM201C	2	T	1	1	1	1	0.62	1	1	1	1	1	0.9833	1	0.9833	0.9423	0.4107	0.1429	0.5769	0.6724	1
BM202A	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
BM202A	2	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BM202B	1	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BM202B	2	T	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
BM203B	1	C	1	1	1	1	0.62	1	1	1	1	1	0.9833	1	0.9833	0.9259	0.4	0.1852	0.6087	0.6607	1
BM203B	2	T	0	0	0	0	0.38	0	0	0	0	0	0.0167	0	0.0167	0.0741	0.6	0.8148	0.3913	0.3393	0
BM203C	1	A	0.85	0.9138	0.9828	0.875	0.3913	0.9722	0.9091	0.8235	0.9697	0.2222	0.0333	0.0806	0.6724	0.4286	0.1296	0.0172	0.1111	0.0517	0
BM203C	2	G	0.15	0.0862	0.0172	0.125	0.6087	0.0278	0.0909	0.1765	0.0303	0.7778	0.9667	0.9194	0.3276	0.5714	0.8704	0.9828	0.8889	0.9483	1
BM203D	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
BM203D	2	T	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BM204A	1	C	0	0	0	0	0.2963	0	0	0	0	0	0	0	0.0833	0.0556	0.3571	0.6429	0.2222	0.15	0
BM204A	2	T	1	1	1	1	0.7037	1	1	1	1	1	1	1	0.9167	0.9444	0.6429	0.3571	0.7778	0.85	1
BM21B	1	C	0.9833	0.9464	1	0.9464	0.5192	0.9737	1	0.9857	0.9583	0.6207	0.4167	0.4091	0.95	0	0	0	0.0185	0	0.9821
BM21B	2	G	0.0167	0.0536	0	0.0536	0.4808	0.0263	0	0.0143	0.0417	0.3793	0.5833	0.5909	0.05	1	1	1	0.9815	1	0.0179
BM21C	1	A	1	1	1	1	0.8148	1	1	1	1	1	1	1	0.95	0.0192	0.931	0.8966	0.963	0.9833	0.9821
BM21C	2	C	0	0	0	0	0.0185	0	0	0	0	0	0	0	0.05	0.9615	0.0172	0	0	0	0.0179
BM21C	3	T	0	0	0	0	0.1667	0	0	0	0	0	0	0	0	0.0192	0.0517	0.1034	0.037	0.0167	0
BM26B	1	A	1	1	1	1	0.963	1	1	1	1	1	1	1	1	1	0.9483	0.8448	0.963	1	0
BM26B	2	T	0	0	0	0	0.037	0	0	0	0	0	0	0	0	0	0.0517	0.1552	0.037	0	1
BM2G	1	G	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.0556
BM2G	2	T	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.9444
BM30A	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.1429
BM30A	2	G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.8571
BM30C	1	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5179
BM30C	2	T	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.4821
BM32A	1	A	0.4138	0.3621	0.431	0.4138	0.48	0.3947	0.4559	0.4853	0.6029	0.3393	0.3667	0.2759	0.3333	0.5556	0.375	0.5385	0.7778	0.9038	0.1296
BM32A	2	G	0.5862	0.6379	0.569	0.5862	0.52	0.6053	0.5441	0.5147	0.3971	0.6607	0.6333	0.7241	0.6667	0.4444	0.625	0.4615	0.2222	0.0962	0.8704
BM33B	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.963	0.9821	0.5417
BM33B	2	T	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.037	0.0179	0.4583
BM35C	1	A	0.8333	0.931	0.8667	0.9138	0.5556	0.9474	0.7941	0.8824	0.9143	0.4107	0.3	0.3594	0.4833	0.56	0.3889	0.2759	0.0769	0.0667	0.9286
BM35C	2	T	0.1667	0.069	0.1333	0.0862	0.4444	0.0526	0.2059	0.1176	0.0857	0.5893	0.7	0.6406	0.5167	0.44	0.6111	0.7241	0.9231	0.9333	0.0714
BM36F	1	A	1	1	1	1	1	1	1	1	1	1	1	1	0.9483	0.9167	0.9655	0.9107	0.9792	1	0.0179
BM36F	2	C	0	0	0	0	0	0	0	0	0	0	0	0	0.0517	0.0833	0.0345	0.0893	0.0208	0	0.9821
BM38B	1	A	0.1833	0.2069	0.15	0.1724	0.2037	0.0789	0.2188	0.2424	0.2639	0.1034	0.1552	0.0909	0.0333	0.0741	0.1552	0.2759	0.463	0.9333	0.7143
BM38B	2	G	0.8167	0.7931	0.85	0.8276	0.7963	0.9211	0.7812	0.7576	0.7361	0.8966	0.8448	0.9091	0.9667	0.9259	0.8448	0.7241	0.537	0.0667	0.2857
BM44B	1	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.537
BM44B	2	G	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.463
BM50B	1	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0714
BM50B	2	G	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9286
BM54A	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
BM54A	2	G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BM57A	1	C	1	0.9833	0.9833	1	0.5926	1	0.9853	1	0.9306	0.3966	0.1607	0.3333	1	1	0.4138	0.3462	0.8889	1	1
BM57A	2	T	0	0.0167	0.0167	0	0.4074	0	0.0147	0	0.0694	0.6034	0.8393	0.6667	0	0	0.5862	0.6538	0.1111	0	0
BM57D	1	A	0	0	0	0	0.3654	0	0	0	0	0	0	0	0	0	0.5	0.6071	0.1154	0	0
BM57D	2	C	1	1	1	1	0.6346	1	1	1	1	1	1	1	1	1	0.5	0.3929	0.8846	1	1
BM5B	1	A	1	1	1	1	0.9074	1	1	1	1	1	1	1	1	1	1	0.8966	1	1	0.9286
BM5B	2	G	0	0	0	0	0.0926	0	0	0	0	0	0	0	0	0	0	0.1034	0	0	0.0714
BM5D	1	C	1	1	1	1	0.8519	1	1	1	1	1	0.9667	1	0.8	0.4259	0.8103	0.8621	0.9815	1	0.8036
BM5D	2	T	0	0	0	0	0.1481	0	0	0	0	0	0.0333	0	0.2	0.5741	0.1897	0.1379	0.0185	0	0.1964
BM61A	1	C	0.3393	0.3462	0.3036	0.2885	0.6852	0.4474	0.2097	0.4375	0.3194	0.8929	0.8913	0.9286	0.4	0.6667	0.8036	0.9259	0.2105	0	0.1786
BM61A	2	T	0.6607	0.6538	0.6964	0.7115	0.3148	0.5526	0.7903	0.5625	0.6806	0.1071	0.1087	0.0714	0.6	0.3333	0.1964	0.0741	0.7895	1	0.8214
BM62A	1	A	0	0.0167	0	0	0	0	0	0	0.0278	0.0345	0.1833	0.2273	0.05	0	0	0	0	0	1
BM62A	2	G	1	0.9833	1	1	1	1	1	1	0.9722	0.9655	0.8167	0.7727	0.95	1	1	1	1	1	0
BM64A	1	C	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
BM64A	2	T	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BM67C	1	A	0.5167	0.65	0.55	0.4655	0.3519	0.5833	0.5	0.5441	0.5972	0.0517	0.1333	0.0303	0.7414	0.6923	0.6034	0.0345	0.037	0	0.0536
BM67C	2	T	0.4833	0.35	0.45	0.5345	0.6481	0.4167	0.5	0.4559	0.4028	0.9483	0.8667	0.9697	0.2586	0.3077	0.3966	0.9655	0.963	1	0.9464
BM6C	1	C	0.9286	0.8966	0.9	0.4643	0.1667	0.8684	0.6818	0.8857	0.8472	1	0.9833	1	0.3667	0.0926	0	0	0	0	0.4286
BM6C	2	T	0.0714	0.1034	0.1	0.5357	0.8333	0.1316	0.3182	0.1143	0.1528	0	0.0167	0	0.6333	0.9074	1	1	1	1	0.5714
BM78B	1	A	0.1731	0.0833	0.0741	0.1739	0.34	0.0312	0.05	0.069	0.0484	0	0	0	0	0.1667	0.5179	0.7931	0.9815	0.9833	0.037
BM78B	2	G	0.8269	0.9167	0.9259	0.8261	0.66	0.9688	0.95	0.931	0.9516	1	1	1	1	0.8333	0.4821	0.2069	0.0185	0.0167	0.963
BM8E	1	A	0	0	0	0	0	0	0	0	0	0	0	0	0.0167	0.0185	0	0	0	0	1
BM8E	2	G	1	1	1	1	1	1	1	1	1	1	1	1	0.9833	0.9815	1	1	1	1	0
BM92B	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
BM92B	2	T	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BM9B	1	A	0.4828	0.5714	0.5833	0.4107	0.2407	0.5294	0.4853	0.4714	0.5278	0.5862	0.65	0.5758	0.6481	0.5455	0.3276	0.1429	0.0185	0.0167	0.3
BM9B	2	G	0.5172	0.4286	0.4167	0.5893	0.7593	0.4706	0.5147	0.5286	0.4722	0.4138	0.35	0.4242	0.3519	0.4545	0.6724	0.8571	0.9815	0.9833	0.7
BM9C	1	A	0.3929	0.375	0.4138	0.5357	0.7593	0.4474	0.5147	0.5147	0.4583	0.2759	0.3	0.3636	0.2414	0.3077	0.6724	0.8704	0.9815	0.9833	0.0357
BM9C	2	C	0.0357	0.0536	0.069	0.0536	0.0556	0.0789	0.0588	0.0441	0.0833	0.0172	0	0.0152	0.1207	0.0769	0	0	0	0	0
BM9C	3	T	0.5714	0.5714	0.5172	0.4107	0.1852	0.4737	0.4265	0.4412	0.4583	0.7069	0.7	0.6212	0.6379	0.6154	0.3276	0.1296	0.0185	0.0167	0.9643