

Table S7 Regions selected for upon heat selection in F12 pools. (*) denotes QTLs previously mapped in the NA x WA heat selection (Parts et al, 2011).

Haploids

Trait	Chromosome	Peak Location (bp)	Region start (bp)	Region end (bp)	q value	Allele decrease	Allele increase
Haploid_Heat	I	7730	3208	7730	0.0183	WA	-
Haploid_Heat	I	41803	41803	48116	0	WA	WE
Haploid_Heat	II	192041	191473	194229	0.0039	WE	-
Haploid_Heat	II	246577	246577	246581	0.0255	WE	-
Haploid_Heat	II	323106	322797	323214	0.0169	WE	-
Haploid_Heat	II	387448	387448	387930	0	WE	-
Haploid_Heat	II	425572	423048	426882	0.0407	WE	-
Haploid_Heat	II	469449	465411	469724	0.0251	WA	-
Haploid_Heat*	II	520956	520956	539099	0	WA	-
Haploid_Heat	II	586848	585904	589502	0.0194	WE	-
Haploid_Heat	II	691644	690896	692190	0.0308	WE	-
Haploid_Heat	III	103983	103937	103983	0.0053	-	WE
Haploid_Heat	III	204170	194461	204170	0.0316	WA	-
Haploid_Heat	IV	88326	88326	94650	0	WA	-
Haploid_Heat	IV	167026	167026	167026	0.0042	WE	-
Haploid_Heat	IV	193568	193568	193596	0.0058	WE	-
Haploid_Heat	IV	309560	308968	311212	0.0391	WE	-
Haploid_Heat	IV	341596	340208	345209	0.0024	WE	-
Haploid_Heat	IV	414378	411541	414543	0.0417	WA	-
Haploid_Heat*	IV	442270	440553	446871	0.0336	WA	-
Haploid_Heat	IV	482650	479691	482994	0.0045	WA	-
Haploid_Heat	IV	594972	594972	614480	0	WE	-
Haploid_Heat	IV	779615	778412	779615	0.0382	WE	-
Haploid_Heat	IV	1165241	1165241	1202931	0	WE	SA
Haploid_Heat*	IV	1299590	1299590	1300574	0.0086	WE	-
Haploid_Heat	IV	1320892	1318531	1323778	0.0238	WE	-
Haploid_Heat	IV	1424223	1424223	1443661	0	WA	-
Haploid_Heat	V	210929	207967	214084	0.0023	WE	-
Haploid_Heat	V	258507	258488	258551	0.0217	WE	-
Haploid_Heat	V	485594	485594	488977	0.0374	WA	-
Haploid_Heat*	V	527121	524479	528927	0.0334	WA	-
Haploid_Heat	V	551439	551439	551656	0.0081	WA	WE
Haploid_Heat	VI	255151	254056	256286	0.0442	WE	-
Haploid_Heat	VII	182663	179739	185385	0.029	WA	-
Haploid_Heat	VII	486824	486599	487208	0.0365	-	WE
Haploid_Heat	VII	548507	548507	548783	0.0065	-	WE
Haploid_Heat	VII	634484	633588	637654	0.0185	WA	-

Haploid_Heat	VII	670084	669746	672925	0.0292	WA	-
Haploid_Heat	VIII	245817	240977	251365	0.0289	WA	-
Haploid_Heat	VIII	293911	290684	293911	0.0042	WA	WE
Haploid_Heat	VIII	379356	377959	380388	0.0276	WE	-
Haploid_Heat	VIII	424239	424239	456475	0	WE	-
Haploid_Heat	IX	74155	73727	76912	0.0295	WA	-
Haploid_Heat	IX	110880	110880	111569	0.045	WA	-
Haploid_Heat	X	144887	144540	145037	0.0314	WA	-
Haploid_Heat	X	159751	158895	161248	0.0319	WA	-
Haploid_Heat*	X	236389	236389	237201	0	WA	-
Haploid_Heat*	X	412413	412413	431667	0	WE	-
Haploid_Heat	X	678785	675814	681146	0.0336	WA	-
Haploid_Heat	XI	40024	40024	45406	0	WE	-
Haploid_Heat	XI	495717	494304	495717	0.0375	WA	-
Haploid_Heat	XI	514756	512598	515249	0.0184	WA	-
Haploid_Heat	XII	168350	168350	169953	0.0214	WE	-
Haploid_Heat	XII	209043	201880	211227	0.0023	WE	-
Haploid_Heat	XII	508720	503088	509048	0.0292	WA	-
Haploid_Heat	XII	646369	645661	650453	0.045	WA	-
Haploid_Heat	XII	1044364	1044364	1045357	0.0265	-	WE
Haploid_Heat	XIII	49254	48927	49730	0.0265	WE	-
Haploid_Heat	XIII	79258	78303	82388	0.0336	WA	-
Haploid_Heat	XIII	137716	135459	139699	0.0395	WA	-
Haploid_Heat	XIII	393791	388784	395295	0.0152	WA	-
Haploid_Heat	XIII	632758	631614	633136	0.0328	WA	-
Haploid_Heat	XIII	691786	687027	693409	0.0184	WA	-
Haploid_Heat	XIII	721067	721067	721562	0	WA	-
Haploid_Heat*	XIII	751054	747251	752520	0.0184	WA	-
Haploid_Heat	XIII	811132	809125	814002	0.0264	WA	-
Haploid_Heat	XIII	826593	825733	829030	0.0216	WE	-
Haploid_Heat*	XIII	877042	877042	913941	0	WA	-
Haploid_Heat	XIV	115349	114050	116117	0.003	WE	-
Haploid_Heat	XIV	173831	173831	180003	0	WE	-
Haploid_Heat	XIV	220441	220211	223244	0.044	WA	-
Haploid_Heat	XIV	273491	269608	274329	0.0095	-	WE
Haploid_Heat	XIV	290463	289635	291362	0.0351	-	WE
Haploid_Heat	XIV	356012	352810	356728	0.037	WA	-
Haploid_Heat	XIV	393352	393352	394078	0.0183	WA	-
Haploid_Heat*	XIV	481655	480850	482296	0.0027	WE	-
Haploid_Heat	XIV	639071	637452	639071	0.0465	WA	-
Haploid_Heat*	XV	174678	174678	176616	0	WA	-
Haploid_Heat	XV	345603	345603	370360	0	WA	-
Haploid_Heat	XV	739750	738846	742605	0.0451	WA	-
Haploid_Heat	XV	791982	787944	793038	0.018	WA	-

Haploid_Heat	XV	837629	837629	862997	0	WA	-
Haploid_Heat	XV	910563	901122	915550	0.018	WA	-
Haploid_Heat	XV	954035	954010	954307	0.0075	-	WE
Haploid_Heat*	XV	1034398	1029988	1037749	0.0146	WA	-
Haploid_Heat	XVI	68965	66703	70600	0.0201	WA	-
Haploid_Heat	XVI	145598	143934	145716	0.0296	WE	-
Haploid_Heat	XVI	264571	264571	264725	0	WA/WE	-
Haploid_Heat	XVI	798875	797108	800153	0.0384	WA	-
Haploid_Heat	XVI	815371	812986	818489	0.0184	WA	-
Haploid_Heat	XVI	860139	857632	860652	0.0492	WA	-

Diploids

Trait	Chromosome	Peak Location (bp)	Region start (bp)	Region end (bp)	q value	Allele decrease	Allele increase
Diploid_Heat	I	8001	8001	57156	0	WA	WE
Diploid_Heat	I	156349	154768	160003	0.0202	WA	-
Diploid_Heat	II	192393	189166	194229	0.0337	WE	-
Diploid_Heat	II	241424	233408	252194	0.0033	WE	-
Diploid_Heat	II	287551	286762	289132	0.006	WE	-
Diploid_Heat	II	384879	384879	389907	0	WE	-
Diploid_Heat*	II	510231	510231	544469	0	WA	-
Diploid_Heat	II	670475	668591	671539	0.0268	WA	-
Diploid_Heat	III	167332	166887	171203	0.0169	WA	-
Diploid_Heat	IV	21677	19588	24628	0.0406	WE	-
Diploid_Heat	IV	78729	78729	101420	0	WA	-
Diploid_Heat	IV	161585	161585	162746	0.0044	WE	-
Diploid_Heat	IV	301375	301375	305375	0.0098	WE	-
Diploid_Heat	IV	342650	341565	342797	0.0222	WE	-
Diploid_Heat	IV	414378	412379	415405	0.0232	WA	-
Diploid_Heat	IV	508188	505545	510196	0.0252	WE	-
Diploid_Heat	IV	595513	594399	598488	0.0026	WE	-
Diploid_Heat	IV	659686	658417	661178	0.04	WE	-
Diploid_Heat*	IV	1043658	1042465	1046575	0.0061	-	WE
Diploid_Heat	IV	1075808	1075286	1075853	0.0254	WE	-
Diploid_Heat	IV	1136886	1136886	1139515	0	WE	-
Diploid_Heat*	IV	1293360	1292695	1299206	0.0026	WE	-
Diploid_Heat	IV	1321498	1317879	1321625	0.0319	WE	-
Diploid_Heat	IV	1433562	1433562	1443459	0	WA	-
Diploid_Heat	IV	1491973	1490677	1494771	0.0447	WA	-
Diploid_Heat	V	15966	15229	16323	0.0377	WA	-
Diploid_Heat	V	75659	75455	80303	0.0033	WE	-
Diploid_Heat	V	216732	216732	220165	0	WE	-

Diploid_Heat	V	485594	485594	486858	0.0333	WA	-
Diploid_Heat*	V	540523	537410	550561	0.0082	WA	WE
Diploid_Heat	VI	83366	80828	86372	0.0297	WA	-
Diploid_Heat	VI	194098	191621	195363	0.0424	WE	-
Diploid_Heat	VI	253031	249001	255005	0.0343	WE	-
Diploid_Heat	VII	12505	12505	12505	0.0057	WE	-
Diploid_Heat	VII	101057	95002	106423	0.0318	-	WE
Diploid_Heat*	VII	138161	122858	140637	0.0053	-	WE
Diploid_Heat	VII	281559	279321	284178	0.0439	WA	-
Diploid_Heat	VII	304250	303178	306344	0.0409	WA	-
Diploid_Heat	VII	349168	349047	352209	0.0064	-	WE
Diploid_Heat	VII	487208	483838	503759	0.0053	-	WE
Diploid_Heat	VII	766107	765420	766107	0.0227	WE	-
Diploid_Heat*	VII	860980	860539	862237	0.0182	-	WE
Diploid_Heat	VIII	286803	278463	287902	0.0377	WA	-
Diploid_Heat	VIII	421413	418995	428826	0.0307	WA	-
Diploid_Heat	VIII	481690	480039	482961	0.0248	WA	-
Diploid_Heat	IX	72405	61274	80199	0.0118	WA	-
Diploid_Heat	IX	132145	129781	133695	0.0032	WE	-
Diploid_Heat	IX	260231	258754	260413	0.0328	WE	-
Diploid_Heat	IX	359074	358447	361389	0.0269	WE	-
Diploid_Heat	X	30373	30116	30730	0.0258	-	WE
Diploid_Heat	X	49501	49357	51723	0.035	-	WE
Diploid_Heat	X	84308	83775	86415	0.0254	WA	-
Diploid_Heat*	X	216505	209216	265118	0.0026	WE	-
Diploid_Heat*	X	409187	409187	458557	0	WE	-
Diploid_Heat	X	606608	604873	608497	0.0281	WE	-
Diploid_Heat	XI	41491	39004	43452	0.0404	WE	-
Diploid_Heat	XI	72599	72599	96919	0	WE	-
Diploid_Heat	XI	148989	148762	148989	0.0469	WE	-
Diploid_Heat	XI	183853	183853	202219	0	WE	-
Diploid_Heat	XI	440857	439054	441454	0.0437	WA	-
Diploid_Heat	XI	512598	511724	518802	0.0133	WA	-
Diploid_Heat	XII	22222	21405	22491	0.0264	-	WE
Diploid_Heat	XII	204576	203683	204576	0.0083	WE	-
Diploid_Heat	XII	509221	505810	511267	0.0267	WA	-
Diploid_Heat	XII	650547	646161	650731	0.0114	WA	-
Diploid_Heat	XII	762443	761264	768100	0.0166	WE/WA	-
Diploid_Heat	XII	810266	808446	810423	0.005	WE	-
Diploid_Heat	XII	846811	845924	860243	0.0111	WA	-
Diploid_Heat	XIII	49730	46836	52335	0.0379	WA	-
Diploid_Heat	XIII	78509	78303	84178	0.0117	WA	-
Diploid_Heat	XIII	210922	210127	212014	0.0495	WA	-
Diploid_Heat	XIII	548998	545976	552304	0.0033	WE	-

Diploid_Heat	XIII	687330	685688	699414	0.011	WA	-
Diploid_Heat	XIII	718071	716977	721562	0.0384	WA	-
Diploid_Heat*	XIII	760318	757317	763742	0.0476	WA	-
Diploid_Heat	XIII	778455	775320	778751	0.0494	WA	-
Diploid_Heat*	XIII	885660	885660	885660	0.0143	WE	-
Diploid_Heat	XIV	70909	65700	74669	0.0148	WA	-
Diploid_Heat	XIV	114314	112908	116758	0.0026	WE	-
Diploid_Heat	XIV	159231	159231	178002	0	WE	-
Diploid_Heat	XIV	391906	387530	395589	0.0128	WA	WE
Diploid_Heat*	XIV	481662	480344	483244	0.0046	WE	-
Diploid_Heat	XIV	639071	633308	639553	0.0346	WA	-
Diploid_Heat*	XIV	681641	679997	684671	0.0256	WA	-
Diploid_Heat*	XV	162197	162197	187590	0	WA	-
Diploid_Heat	XV	369650	369650	369757	0	WA	-
Diploid_Heat	XV	518718	516666	518878	0.0409	WE	-
Diploid_Heat	XV	739495	735874	765691	0.0089	WA	-
Diploid_Heat	XV	837629	837629	862223	0	WA	-
Diploid_Heat*	XV	1032774	1032774	1035179	0	WA	-
Diploid_Heat	XVI	41379	38929	50394	0.0028	WE	-
Diploid_Heat	XVI	272770	272770	276004	0	WE	-
Diploid_Heat	XVI	374153	372739	375200	0.0261	-	WE
Diploid_Heat	XVI	554766	554347	557974	0.017	WA	-
Diploid_Heat	XVI	747555	747367	750031	0.0054	WE	-
Diploid_Heat	XVI	873626	871856	875074	0.0285	WA	-