

Table S2. SNP information.

SNP_(1)	Chromosome	bp_(2)	cM_(3)	Reference allele_(4)	2nd allele	Reference_genome_(5)
pas12042	IV	308707	0	A	G	CB4858
pas1	IV	467151	0	G	T	CB4858
uCE4-507	IV	781321	0.48958	A	C	CB4856
uCE4-511	IV	794623	0.56549	G	T	CB4856
pas2	IV	860118	0.72063	T	C	CB4858
haw50300	IV	874853	0.79904	T	C	CB4856
CE4-228	IV	1063709	2.5062	A	G	CB4856
pas214	IV	1160182	3.87066	C	G	CB4858
uCE4-537	IV	1335369	6.52981	G	T	CB4856
uCE4-540	IV	1339309	6.52981	A	C	CB4856
uCE4-553	IV	1445357	7.34757	G	A	CB4856
uCE4-556	IV	1449993	7.392	T	C	CB4856
uCE4-564	IV	1479651	7.67627	C	A	CB4856
uCE4-566	IV	1488728	7.76327	C	A	CB4856
haw51312	IV	1536151	8.11557	T	A	CB4856
haw51335	IV	1548242	8.2054	C	T	CB4856
uCE4-576	IV	1550204	8.21997	A	G	CB4856
uCE4-580	IV	1551262	8.22783	C	-	CB4856
uCE4-581	IV	1556814	8.26908	G	A	CB4856
uCE4-592	IV	1601253	8.58257	G	A	CB4856
pas12612	IV	1685165	9.14306	G	C	CB4858
uCE4-598	IV	1742880	9.52856	T	C	CB4856
pas12613	IV	1745759	9.54779	G	A	CB4858
uCE4-603	IV	1836308	10.77468	G	T	CB4856
uCE4-606	IV	1880589	11.44259	G	T	CB4856
uCE4-610	IV	1919560	12.23937	C	A	CB4856
haw51978	IV	1928856	12.42943	A	C	CB4856
uCE4-615	IV	1959359	12.87663	T	C	CB4856
CE4-109	IV	2095589	14.29616	T	C	CB4856
haw52330	IV	2144755	14.63759	A	G	CB4856
uCE4-628	IV	2161481	14.75374	G	C	CB4856
haw52443	IV	2211333	15.66947	T	A	CB4856
uCE4-648	IV	2212459	15.68814	G	A	CB4856
uCE4-650	IV	2247716	16.27285	A	G	CB4856
uCE4-668	IV	2444713	17.70709	T	C	CB4856
uCE4-670	IV	2457184	17.79611	T	C	CB4856
haw53023	IV	2489588	17.79611	T	C	CB4856
haw53163	IV	2536644	18.01662	G	A	CB4856
uCE4-677	IV	2613045	18.55725	C	T	CB4856
haw53671	IV	2778962	19.17343	A	G	CB4856
pas13388	IV	2894642	19.56926	C	T	CB4858
uCE4-708	IV	3049104	20.18391	C	T	CB4856
uCE4-716	IV	3171602	20.73577	C	T	CB4856
uCE4-732	IV	3269449	20.73577	A	G	CB4856
uCE4-752	IV	3442640	21.78067	T	C	CB4856

CE4-120	IV	3480459	21.97101	A	T	CB4856
uCE4-763	IV	3486826	22.01698	G	T	CB4856
haw54786	IV	3526565	22.48225	T	G	CB4856
uCE4-780	IV	3605101	23.26636	G	A	CB4856
uCE4-783	IV	3613551	23.2869	G	A	CB4856
uCE4-817	IV	3882708	24.92578	G	A	CB4856
uCE4-832	IV	4008342	25.74443	C	T	CB4856
uCE4-845	IV	4060319	25.75099	A	G	CB4856
uCE4-856	IV	4121682	25.83146	C	G	CB4856
uCE4-874	IV	4239704	26.08403	T	C	CB4856
uCE4-878	IV	4279105	26.1521	G	A	CB4856
pas15099	IV	4404252	26.76184	C	A	CB4858
pas16080	IV	5151696	28.51761	T	C	CB4858
pas16085	IV	5293180	28.6227	G	A	CB4858
pas16087	IV	5302593	28.62802	C	G	CB4858
pas16115	IV	5649189	28.89673	T	C	CB4858
uCE4-920	IV	5732323	28.98822	T	C	CB4856
uCE4-928	IV	5781584	28.98822	C	T	CB4856
uCE4-933	IV	5814458	28.98822	A	C	CB4856
pas17018	IV	6183977	29.46732	T	C	CB4858
pas17021	IV	6575933	29.79477	C	A	CB4858
uCE4-960	IV	6601567	29.86563	C	T	CB4856
pas2157	IV	6646382	29.94719	G	C	CB4858
uCE4-964	IV	6647215	29.94765	T	C	CB4856
CE4-139	IV	6790549	30.02604	G	A	CB4856
uCE4-974	IV	6975030	30.26717	G	A	CB4856
pas17023	IV	6983907	30.26717	T	C	CB4858
CE4-143	IV	7341696	30.64583	C	A	CB4856
uCE4-985	IV	7427990	30.99618	A	T	CB4856
uCE4-987	IV	7470605	30.99618	T	C	CB4856
pas18735	IV	7849783	31.3965	C	T	CB4858
uCE4-1020	IV	8046240	31.55647	T	C	CB4856
uCE4-1023	IV	8193378	31.83488	G	T	CB4856
uCE4-1027	IV	8271873	31.8772	G	A	CB4856
uCE4-1033	IV	8393396	31.8772	G	A	CB4856
uCE4-1045	IV	8419277	31.8772	A	T	CB4856
pas20842	IV	8535097	31.96657	C	T	CB4858
uCE4-1059	IV	8569553	32.03717	T	A	CB4856
pas20865	IV	8946994	32.56592	T	A	CB4858
pas22095	IV	9023262	32.84577	T	C	CB4858
pas22094	IV	9123133	32.86517	G	T	CB4858
uCE4-1071	IV	9225944	32.92537	C	G	CB4856
uCE4-1072	IV	9315569	32.92537	G	A	CB4856
CE4-32	IV	9318640	32.92537	C	T	CB4856
pas22097	IV	9390314	32.92537	G	T	CB4858
uCE4-1075	IV	9406524	32.92537	C	T	CB4856
uCE4-1080	IV	9548887	32.92537	A	G	CB4856
uCE4-1086	IV	10073916	33.56682	C	T	CB4856

uCE4-1094	IV	10228846	33.56682	C	T	CB4856
uCE4-1097	IV	10259772	33.56682	T	C	CB4856
uCE4-1110	IV	10279576	33.56682	T	C	CB4856
pas22976	IV	10570562	33.84839	C	T	CB4858
uCE4-1116	IV	10653079	33.88993	C	T	CB4856
CE4-172	IV	10677530	33.88993	A	G	CB4856
CE4-34	IV	10718507	33.93135	A	G	CB4856
pas22978	IV	10769341	33.98274	G	T	CB4858
pas22979	IV	10793215	34.00687	G	A	CB4858
CE4-174	IV	11082972	34.29103	C	G	CB4856
pas23447	IV	11169240	34.29103	G	T	CB4858
uCE4-1138	IV	11247282	34.29103	C	G	CB4856
pas23449	IV	11413248	34.29103	A	C	CB4858
uCE4-1146	IV	11474600	34.29103	G	A	CB4856
pas4467	IV	11477716	34.29103	G	C	CB4858
pas23450	IV	11550350	34.46936	A	G	CB4858
CE4-178	IV	11603947	34.69693	A	G	CB4856
CE4-1	IV	11668234	34.69693	T	C	CB4856
uCE4-1155	IV	11747239	34.69693	T	C	CB4856
uCE4-1156	IV	11804464	34.69693	C	T	CB4856
uCE4-1171	IV	12124862	35.33997	T	C	CB4856
uCE4-1173	IV	12192670	35.33997	G	T	CB4856
CE4-185	IV	12382899	35.49994	G	A	CB4856
uCE4-1193	IV	12771081	36.71134	T	G	CB4856
uCE4-1194	IV	12780085	36.71134	C	T	CB4856
CE4-28	IV	12841508	36.79093	C	T	CB4856
CE4-191	IV	12878429	36.92738	C	G	CB4856
uCE4-1212	IV	12970333	37.19204	G	A	CB4856
CE4-230	IV	12971747	37.19204	G	A	CB4856
uCE4-1216	IV	12985062	37.2232	A	C	CB4856
uCE4-1226	IV	13000000	37.25817	G	A	CB4856
uCE4-1231	IV	13011403	37.30156	G	A	CB4856
uCE4-1232	IV	13022970	37.36273	G	A	CB4856
uCE4-1238	IV	13082494	37.67753	A	G	CB4856
uCE4-1244	IV	13239120	37.91867	T	C	CB4856
CE4-194	IV	13370548	38.66436	T	C	CB4856
uCE4-1258	IV	13706647	39.63616	C	G	CB4856
uCE4-1264	IV	13874168	39.93367	T	C	CB4856
uCE4-1266	IV	13904323	40.03491	T	C	CB4856
uCE4-1290	IV	14158021	40.52041	C	A	CB4856
pas27670	IV	14199814	40.64957	T	G	CB4858
uCE4-1301	IV	14227265	40.80422	G	A	CB4856
uCE4-1320	IV	14335306	41.00994	T	G	CB4856
pas5916	IV	14347377	41.0957	A	G	CB4858
uCE4-1337	IV	14423622	41.24951	A	G	CB4856
uCE4-1357	IV	14556276	41.3291	T	C	CB4856
uCE4-1361	IV	14574271	41.3291	G	A	CB4856
CE4-204	IV	14843110	41.64904	T	A	CB4856

uCE4-1414	IV	15013740	41.97214	T	C	CB4856
uCE4-1422	IV	15020310	42.05183	A	G	CB4856
uCE4-1425	IV	15141339	42.56269	C	T	CB4856
haw64011	IV	15264869	43.02421	G	A	CB4856
uCE4-1438	IV	15324782	43.2781	T	C	CB4856
uCE4-1500	IV	15937100	46.91944	T	G	CB4856
uCE4-1503	IV	15964319	47.07758	G	A	CB4856
uCE4-1520	IV	16006283	47.32139	A	G	CB4856
uCE4-1526	IV	16161127	47.72249	G	A	CB4856
uCE4-1531	IV	16170752	47.72249	G	A	CB4856
CE4-213	IV	16277944	48.20799	T	C	CB4856
pas29576	IV	16563547	49.74286	A	G	CB4858
pas29606	IV	16606982	49.84004	G	T	CB4858
pas29618	IV	16612942	49.84004	C	T	CB4858
uCE4-1597	IV	16622299	49.84004	G	A	CB4856
uCE4-1604	IV	16630843	49.84004	A	G	CB4856
pas29650	IV	16635921	49.84004	A	G	CB4858
pas29664	IV	16669276	49.86853	G	T	CB4858
pas6616	IV	16686301	49.88921	T	C	CB4858
pas29685	IV	16721565	49.93204	A	G	CB4858
uCE4-1606	IV	16777526	50	T	C	CB4856
pas6624	IV	16820486	50	T	G	CB4858
pas6625	IV	16840936	50	C	G	CB4858
pas29697	IV	16867759	50	T	G	CB4858
uCE4-1617	IV	16942653	50	A	T	CB4856
pas30739	IV	17049726	50	G	A	CB4858
uCE4-1623	IV	17152767	50	A	C	CB4856
pas30700	IV	17190436	50	C	T	CB4858
uCE4-1635	IV	17237255	50	A	G	CB4856
pas6981	IV	17284596	50	G	T	CB4858
CE4-221	IV	17297280	50	T	C	CB4856
uCE4-1641	IV	17321314	50	A	G	CB4856
pas30723	IV	17363659	50	T	C	CB4858
pas30725	IV	17368088	50	T	C	CB4858
CE4-30	IV	17407356	50.00001	G	T	CB4856
pas6985	IV	17433033	50.00001	A	G	CB4858
pas30731	IV	17436319	50.00001	A	G	CB4858
pas30738	IV	17473959	50.00001	T	G	CB4858
CE6-105	X	543069	0	T	G	CB4856
CE6-106	X	636851	0.22782	C	T	CB4856
pas12053	X	729101	0.30068	T	G	CB4858
uCE6-564	X	964496	0.80132	A	G	CB4856
uCE6-572	X	1119922	0.90798	T	G	CB4856
uCE6-597	X	1447717	1.60609	C	T	CB4856
uCE6-628	X	1539713	2.30325	G	A	CB4856
pas12799	X	1703819	2.70619	T	G	CB4858
CE6-113	X	2013370	3.2168	G	A	CB4856
pas14056	X	2107765	3.41328	A	G	CB4858

uCE6-719	X	2208029	3.87925	T	G	CB4856
uCE6-743	X	2359118	4.36725	G	A	CB4856
uCE6-752	X	2391888	4.51877	T	G	CB4856
pas796	X	2494927	5.28282	A	T	CB4858
pas798	X	2581249	6.15149	T	A	CB4858
pas14095	X	2657401	6.92519	G	T	CB4858
CE6-121	X	2810040	7.37745	A	G	CB4856
uCE6-797	X	3054487	8.40093	T	A	CB4856
uCE6-810	X	3204763	10.06051	A	C	CB4856
pas1279	X	3304598	10.55767	A	T	CB4858
pas15094	X	3539323	10.87937	A	C	CB4858
uCE6-844	X	3948008	13.0769	T	C	CB4856
pas15121	X	4096760	13.69615	G	T	CB4858
uCE6-865	X	4507511	14.89553	C	T	CB4856
uCE6-868	X	4553058	15.05875	C	A	CB4856
uCE6-871	X	4615754	15.23669	C	T	CB4856
pas15116	X	4645170	15.43707	C	A	CB4858
uCE6-883	X	4949663	16.06475	A	G	CB4856
uCE6-890	X	5153187	16.15137	C	T	CB4856
uCE6-892	X	5184416	16.19477	G	A	CB4856
uCE6-908	X	5243744	16.29067	G	A	CB4856
uCE6-917	X	5355779	16.71463	C	T	CB4856
uCE6-924	X	5390119	16.85596	T	C	CB4856
uCE6-937	X	5555701	17.16766	A	T	CB4856
CE6-29	X	5621435	17.41063	C	G	CB4856
uCE6-961	X	5819445	18.09678	A	T	CB4856
pas16955	X	5896806	18.28384	T	C	CB4858
pas16968	X	5936212	18.6703	C	T	CB4858
pas16972	X	5945414	18.76054	G	T	CB4858
pas16993	X	5971583	18.93277	G	A	CB4858
pas2151	X	5979046	18.94943	A	G	CB4858
pas17004	X	5984794	18.96227	A	G	CB4858
pas17010	X	5996911	18.98933	G	A	CB4858
pas18233	X	6003509	19.00407	C	T	CB4858
pas18170	X	6022248	19.09015	A	T	CB4858
pas2683	X	6028567	19.13967	C	A	CB4858
pas2701	X	6042292	19.24721	G	A	CB4858
pas18362	X	6050919	19.3148	C	A	CB4858
pas18229	X	6367953	20.25594	C	T	CB4858
haw104267	X	6461916	20.418	C	T	CB4856
pas18395	X	6545127	20.55399	G	T	CB4858
pas18401	X	6549617	20.56401	A	G	CB4858
pas18439	X	6618590	20.68352	A	G	CB4858
pas2770	X	6683263	20.77652	G	A	CB4858
pas2783	X	6740763	20.85762	C	T	CB4858
pas18509	X	6743333	20.85762	T	C	CB4858
pas2790	X	6768349	20.86919	A	G	CB4858
pas2827	X	6978203	21.24905	T	A	CB4858

pas21430	X	7043580	21.34305	T	C	CB4858
pas21055	X	7143886	21.42774	T	C	CB4858
pas21131	X	7224545	21.42774	G	A	CB4858
pas21167	X	7251988	21.42774	C	T	CB4858
pas21189	X	7273529	21.42774	G	A	CB4858
pas3842	X	7303206	21.42774	T	C	CB4858
pas3941	X	7531652	21.54109	A	G	CB4858
pas21676	X	7711354	21.86619	C	A	CB4858
pas4015	X	7830871	22.36945	C	T	CB4858
pas21850	X	7896359	22.55769	G	A	CB4858
uCE6-1056	X	7940934	22.68581	A	G	CB4856
pas22178	X	8184229	23.65607	C	T	CB4858
pas22224	X	8206014	23.71738	G	A	CB4858
pas4116	X	8207220	23.72078	G	A	CB4858
pas22310	X	8282058	23.83277	T	C	CB4858
CE6-157	X	8548925	24.28953	A	G	CB4856
pas22589	X	8684616	24.28953	A	C	CB4858
pas22596	X	8693683	24.28953	C	A	CB4858
pas22608	X	8719982	24.28953	C	T	CB4858
pas22611	X	8723696	24.28953	G	A	CB4858
pas22629	X	8751903	24.29123	G	T	CB4858
pas22635	X	8759401	24.32306	A	G	CB4858
pas22651	X	8769530	24.36607	C	A	CB4858
pas22659	X	8777612	24.40038	T	C	CB4858
pas22682	X	8804351	24.51391	T	A	CB4858
pas22700	X	8814989	24.55907	G	A	CB4858
pas22725	X	8855886	24.63294	G	T	CB4858
pas22740	X	8865501	24.63294	T	C	CB4858
pas4266	X	8886061	24.63294	T	C	CB4858
pas22781	X	8930693	24.69015	A	G	CB4858
uCE6-1102	X	8952718	24.86075	G	C	CB4856
pas4286	X	8970532	24.91941	G	A	CB4858
pas22801	X	8990281	24.98443	C	T	CB4858
pas4436	X	9064776	25.08857	G	T	CB4858
pas23379	X	9077163	25.08857	C	T	CB4858
pas4449	X	9090956	25.08857	C	T	CB4858
pas23171	X	9166594	25.21765	T	C	CB4858
pas4398	X	9191900	25.2624	A	G	CB4858
pas23185	X	9204859	25.28531	G	A	CB4858
pas4404	X	9234315	25.33739	G	A	CB4858
pas23210	X	9243204	25.35311	A	C	CB4858
pas23227	X	9267009	25.3952	G	A	CB4858
pas23239	X	9287965	25.43197	G	A	CB4858
pas23276	X	9390702	25.43197	G	T	CB4858
pas4422	X	9479650	25.43197	C	T	CB4858
pas4770	X	10088023	26.59984	G	T	CB4858
pas24042	X	10143896	26.64978	C	T	CB4858
pas24095	X	10219340	26.77978	C	T	CB4858

pas4663	X	10232355	26.82654	A	G	CB4858
pas24180	X	10286821	26.92961	T	G	CB4858
pas24325	X	10466528	27.17099	C	T	CB4858
pas4741	X	10650112	27.61306	G	A	CB4858
pas24455	X	10671005	27.64116	T	C	CB4858
pas4747	X	10693473	27.7159	A	G	CB4858
pas25296	X	11055382	28.59522	A	G	CB4858
pas25211	X	11326006	29.06346	A	G	CB4858
uCE6-1220	X	11474665	29.36504	A	G	CB4856
uCE6-1224	X	11552184	29.5487	G	C	CB4856
uCE6-1227	X	11657275	29.93736	A	G	CB4856
uCE6-1235	X	11854296	30.1628	C	A	CB4856
pas5045	X	11916963	30.28612	A	T	CB4858
uCE6-1241	X	12018310	30.35591	T	A	CB4856
pas27664	X	12142351	30.46998	G	A	CB4858
CE6-188	X	12293106	30.81154	C	A	CB4856
uCE6-1296	X	12763107	31.50295	A	T	CB4856
uCE6-1304	X	12878123	31.96301	T	C	CB4856
pas6295	X	13062788	33.6867	C	T	CB4858
pas28860	X	13070274	33.72855	C	T	CB4858
pas28953	X	13085912	33.81597	G	A	CB4858
pas6179	X	13101020	33.90043	G	A	CB4858
pas28444	X	13106941	33.93353	A	G	CB4858
pas28458	X	13131847	34.07277	T	A	CB4858
pas28462	X	13141555	34.12704	C	T	CB4858
pas6192	X	13161206	34.2369	A	T	CB4858
pas28496	X	13181926	34.35273	C	T	CB4858
pas6214	X	13232245	34.63403	G	A	CB4858
pas6226	X	13275753	34.86257	C	T	CB4858
pas28560	X	13279533	34.87945	A	G	CB4858
pas28571	X	13291067	34.93096	A	G	CB4858
pas28616	X	13329052	35.1006	G	T	CB4858
pas28641	X	13347083	35.21454	A	G	CB4858
pas28681	X	13373869	35.45326	A	G	CB4858
pas28702	X	13409118	35.6634	G	A	CB4858
pas28718	X	13454118	35.91358	T	C	CB4858
pas28759	X	13558906	36.89082	G	A	CB4858
uCE6-1356	X	13646874	37.6753	T	C	CB4856
pas28877	X	13768568	38.37308	T	C	CB4858
pas6322	X	13799769	38.46307	C	T	CB4858
pas6329	X	13822250	38.56794	C	T	CB4858
pas28930	X	13840740	38.7	A	C	CB4858
pas29001	X	13936487	39.27384	G	A	CB4858
pas6356	X	13957385	39.36927	A	G	CB4858
pas6361	X	13975369	39.45139	A	G	CB4858
pas29922	X	14235421	40.3269	G	T	CB4858
pas29982	X	14260854	40.50904	C	T	CB4858
pas29998	X	14278016	40.72094	G	A	CB4858

pas30037	X	14321413	40.88039	A	C	CB4858
pas6761	X	14361347	41.02711	C	A	CB4858
pas30115	X	14410410	41.03995	T	C	CB4858
pas30131	X	14428635	41.03995	A	G	CB4858
pas30171	X	14449003	41.13513	C	T	CB4858
pas30197	X	14464055	41.2854	T	G	CB4858
pas30218	X	14472626	41.37402	G	C	CB4858
pas30232	X	14483286	41.48424	A	G	CB4858
CE6-206	X	14547206	42.09239	G	A	CB4856
pas30363	X	14595187	42.09239	C	T	CB4858
pas30378	X	14612677	42.37016	A	G	CB4858
pas30430	X	14691069	42.97829	T	C	CB4858
pas30460	X	14714123	43.10882	T	C	CB4858
pas30543	X	14805292	43.45064	T	C	CB4858
pas30551	X	14810711	43.48285	G	A	CB4858
pas30589	X	14854960	43.74586	G	A	CB4858
pas6944	X	14890423	43.94786	T	G	CB4858
pas30641	X	14939949	44.02475	A	G	CB4858
pas33891	X	15078313	44.44937	A	G	CB4858
pas33388	X	15101759	44.75358	A	G	CB4858
uCE6-1528	X	15196798	45.33232	G	T	CB4856
pas8070	X	15201902	45.34276	A	C	CB4858
pas33483	X	15217166	45.37396	T	C	CB4858
pas33513	X	15263499	45.44568	G	A	CB4858
pas33527	X	15277321	45.44568	T	C	CB4858
pas33664	X	15410573	45.98115	C	T	CB4858
pas8126	X	15427424	46.0097	A	G	CB4858
pas33717	X	15510085	46.29906	G	A	CB4858
pas33776	X	15580744	47.23654	C	G	CB4858
pas33782	X	15586503	47.2503	A	G	CB4858
uCE6-1577	X	15623571	47.33886	A	T	CB4856
pas33847	X	15654612	47.41303	T	G	CB4858
uCE6-1585	X	15697714	47.53674	T	G	CB4856
pas33921	X	15845012	47.66815	T	C	CB4858
pas33928	X	15849215	47.69668	A	G	CB4858
pas35084	X	16024171	48.88446	T	C	CB4858
pas35423	X	16098505	49.07502	C	T	CB4858
pas34931	X	16104875	49.07502	A	G	CB4858
pas35085	X	16256053	49.14078	G	A	CB4858
pas35174	X	16436793	49.73035	T	C	CB4858
pas35281	X	16739700	50	A	C	CB4858
CE6-239	X	16892057	50	T	C	CB4856
pas37074	X	17100621	50	T	C	CB4858
pas37130	X	17317360	50	T	C	CB4858
pas37228	X	17585505	50	G	A	CB4858

(1) *Wormbase* designation, genome release WS195

(2) Physical position (bp), genome release WS195

- (3) Genetic position from Rockman and Kruglyak (2009) or calculated by linear interpolation assuming a total chromosome size of 50cM
- (4) Reference allele of N2 wild isolate
- (5) *CGC* wild isolate designation containing alternative allele