

Supplemental Table 1. Positions of DNA markers on the *C. clementina* genome, the integrated genetic map and the assembled scaffolds

<i>C. clementina</i> (Phytozome, v1.0)			Integrated map (AGI map)		<i>C. unshiu</i> (this study)				
Locus Name	Scaffold	Start	End	Linkage group	cM	Scaffold	Start	End	Consistency with
Tf0045	scaffold_4	23,496,020	23,497,466	AGI-07	74.573	C_unshiu_00001	490,711	491,786	Both
Af1509	scaffold_4	23,564,789	23,568,956	AGI-07	73.796	C_unshiu_00001	558,108	560,075	
Cp0452	scaffold_4	23,575,399	23,582,495	AGI-07	75.35	C_unshiu_00001	567,123	568,065	
Cp0093	scaffold_4	23,596,434	23,599,906	AGI-07	74.537	C_unshiu_00001	587,977	589,347	
Gn0048	scaffold_4	23,695,766	23,697,703	AGI-07	74.225	C_unshiu_00001	685,688	686,789	
Tf0424	scaffold_4	23,908,189	23,912,723	AGI-07	77.041	C_unshiu_00001	907,580	908,165	
Af1690	scaffold_4	23,923,757	23,925,178	AGI-07	77.752	C_unshiu_00001	920,608	921,584	
Tf0094	scaffold_4	23,957,038	23,959,134	AGI-07	77.141	C_unshiu_00001	951,456	952,015	
Gm0m22	scaffold_4	24,041,593	24,043,549	AGI-07	78.469	C_unshiu_00001	1,038,798	1,039,530	
Cp0089	scaffold_4	24,154,856	24,157,188	AGI-07	77.194	C_unshiu_00001	1,160,329	1,161,357	
Cp0057	scaffold_4	24,227,703	24,230,754	AGI-07	79.269	C_unshiu_00001	1,246,657	1,247,351	
Af3017	scaffold_4	24,401,841	24,406,470	AGI-07	83.217	C_unshiu_00001	1,416,058	1,416,811	
Wy0011	scaffold_4	24,417,602	24,419,019	AGI-07	86.288	C_unshiu_00001	1,429,949	1,431,367	
Bf1243	scaffold_4	24,657,015	24,660,141	AGI-07	84.114	C_unshiu_00001	1,665,821	1,666,404	
Gn0071	scaffold_4	25,506,446	25,511,133	AGI-07	86.113	C_unshiu_00001	2,191,116	2,192,263	
Cp0537	scaffold_2	34,189,216	34,193,815	AGI-06	25.93	C_unshiu_00002	547,170	547,660	AGI
Cp0190	scaffold_3	18,648,426	18,650,443	AGI-06	27.617	C_unshiu_00002	656,851	658,203	
Mf0083	scaffold_2	13,677,328	13,681,293	AGI-06	39.963	C_unshiu_00002	901,812	902,153	
Ov0109	scaffold_9	30,513,333	30,517,676	AGI-03	71.06	C_unshiu_00003	122,575	123,859	AGI
Tf0292	scaffold_9	31,139,789	31,143,240	AGI-03	77.793	C_unshiu_00003	709,366	711,033	
Tf0022	scaffold_3	5,360,113	5,362,918	AGI-03	78.631	C_unshiu_00003	806,029	807,195	
Fb0708	scaffold_9	31,237,089	31,243,737	AGI-03	74.195	C_unshiu_00003	806,972	808,932	
Cp0336	scaffold_9	31,244,440	31,250,356	AGI-03	79.515	C_unshiu_00003	814,166	815,168	
Af1495	scaffold_4	22,523,092	22,528,307	AGI-07	69.544	C_unshiu_00004	552,648	553,511	-
Al0014	scaffold_1	1,070,373	1,072,218	AGI-01	97.525	C_unshiu_00005	281,284	282,962	Ccle
Wy0055	scaffold_1	1,478,172	1,484,977	AGI-01	118.691	C_unshiu_00005	687,783	689,352	
Af1223	scaffold_1	1,687,894	1,690,412	AGI-09	97.668	C_unshiu_00005	896,863	898,695	
Tf0275	scaffold_9	955,176	957,425	AGI-03	11.501	C_unshiu_00007	224,446	225,652	Both
Gm0m26	scaffold_9	713,868	716,708	AGI-03	10.918	C_unshiu_00007	475,547	476,207	
Cp0996	scaffold_9	543,444	546,746	AGI-03	9.366	C_unshiu_00007	630,946	631,764	
Bf0005	scaffold_9	465,444	468,143	AGI-03	8.177	C_unshiu_00007	710,676	711,262	
Tf0140	scaffold_9	225,971	232,459	AGI-03	9.83	C_unshiu_00007	931,799	932,701	
Ov0305	scaffold_6	16,909,492	16,912,088	AGI-08	88.433	C_unshiu_00008	368,050	369,290	-
Af1443	scaffold_6	25,048,398	25,053,494	AGI-04	33.808	C_unshiu_00009	17,215	18,626	No
Ov0513	scaffold_6	25,349,417	25,351,949	AGI-04	38.903	C_unshiu_00009	331,832	332,586	
Vs0003	scaffold_5	41,496,792	41,499,173	AGI-09	35.312	C_unshiu_00009	676,965	677,847	
Fb0219	scaffold_4	21,153,791	21,158,006	AGI-03	46.274	C_unshiu_00010	722,072	722,537	Cele
Tf0148	scaffold_4	20,998,708	21,001,535	AGI-07	64.812	C_unshiu_00010	870,292	872,101	
Al0411	scaffold_8	19,760,077	19,761,961	AGI-08	40.857	C_unshiu_00011	188,776	189,626	-
Af1505	scaffold_4	1,531,262	1,535,758	AGI-07	12.283	C_unshiu_00012	704,476	705,492	Both
Cp0039	scaffold_4	1,549,679	1,551,396	AGI-07	11.882	C_unshiu_00012	722,999	723,626	
Cp0675	scaffold_4	20,294,240	20,301,426	AGI-07	59.793	C_unshiu_00015	303,650	304,757	-
Cp0431	scaffold_2	27,084,177	27,089,027	AGI-06	60.66	C_unshiu_00017	250,885	252,630	-
Tf0279	scaffold_3	49,031,441	49,035,202	AGI-05	80.539	C_unshiu_00018	565,286	565,738	-
Tf0375	scaffold_3	13,034,654	13,036,082	AGI-05	40.558	C_unshiu_00020	527,679	528,700	-
Gn0065	scaffold_3	4,449,051	4,458,861	AGI-09	79.316	C_unshiu_00021	36,344	37,551	No
Lp0119	scaffold_8	24,315,720	24,317,671	AGI-08	8.544	C_unshiu_00021	426,032	427,454	
Fb2130	scaffold_8	24,341,129	24,344,795	AGI-08	11.809	C_unshiu_00021	454,247	455,995	
Cp2190	scaffold_8	24,416,582	24,418,982	AGI-08	13.78	C_unshiu_00021	526,929	527,458	
Af1042	scaffold_2	28,786,444	28,788,097	AGI-06	55.7	C_unshiu_00022	55,237	56,448	Both
Af1312	scaffold_2	29,022,433	29,030,537	AGI-06	37.883	C_unshiu_00022	315,497	316,310	
Tf0343	scaffold_2	29,204,680	29,206,501	AGI-06	44.393	C_unshiu_00022	489,329	490,041	
Tf0370	scaffold_3	47,121,093	47,124,518	AGI-05	69.117	C_unshiu_00023	128,974	129,310	Both
Gm0m16	scaffold_3	47,476,188	47,482,822	AGI-05	73.007	C_unshiu_00023	481,053	481,672	
Cp0297	scaffold_8	2,134,223	2,138,606	AGI-08	78.209	C_unshiu_00024	197,809	199,407	Both
Edw002	scaffold_8	2,012,329	2,014,782	AGI-08	77.72	C_unshiu_00024	335,762	336,907	
Gn0049	scaffold_8	1,604,460	1,606,311	AGI-08	77.688	C_unshiu_00024	699,820	700,620	
Tf0357	scaffold_7	2,246,732	2,249,558	AGI-02	71.294	C_unshiu_00025	207,759	208,575	Both
Tf0020	scaffold_7	2,289,455	2,291,216	AGI-02	71.294	C_unshiu_00025	258,627	259,827	
Cp1085	scaffold_7	2,390,010	2,391,658	AGI-02	70.082	C_unshiu_00025	337,545	338,089	
Vt0015	scaffold_7	2,441,452	2,443,391	AGI-02	70.082	C_unshiu_00025	381,952	382,562	
Cp2263	scaffold_7	2,586,384	2,588,513	AGI-02	70.082	C_unshiu_00025	530,956	531,883	
Cp1716	scaffold_7	2,607,670	2,609,433	AGI-02	70.068	C_unshiu_00025	553,330	554,298	
Wy0005	scaffold_3	48,337,105	48,339,028	AGI-05	83.57	C_unshiu_00026	464,674	465,734	-
Af1693	scaffold_2	32,069,149	32,072,079	AGI-06	35.794	C_unshiu_00027	206,101	207,143	-
Af1086	scaffold_4	10,510,018	10,517,939	AGI-05	41.306	C_unshiu_00028	4,310	6,099	-
Al0422	scaffold_6	14,495,473	14,496,662	AGI-08	93.695	C_unshiu_00032	370,195	370,450	-
Ov0111	scaffold_5	8,532,280	8,539,677	AGI-09	85.81	C_unshiu_00033	57,879	59,374	-
Fb0373	scaffold_5	6,404,463	6,435,349	AGI-09	85.81	C_unshiu_00034	177,184	178,880	-
Gm0m19	scaffold_6	21,450,811	21,454,133	AGI-04	54.804	C_unshiu_00037	167,106	167,943	No
Tf0373	scaffold_6	21,229,813	21,233,537	AGI-04	61.716	C_unshiu_00037	389,998	390,878	
Fb2159	scaffold_3	39,606,431	39,608,387	AGI-05	49.856	C_unshiu_00037	551,652	553,013	
Bf0008	scaffold_6	22,467,565	22,470,029	AGI-04	47.391	C_unshiu_00038	41,286	43,202	Both
Al0304	scaffold_6	22,616,979	22,619,271	AGI-04	46.361	C_unshiu_00038	174,668	175,116	
Af1600	scaffold_6	22,758,027	22,760,875	AGI-04	5.122	C_unshiu_00038	306,471	307,590	
Af1059	scaffold_6	23,066,384	23,072,168	AGI-04	44.84	C_unshiu_00038	558,727	560,166	
Cp1697	scaffold_8	966,124	968,846	AGI-02	73.77	C_unshiu_00041	557,086	557,618	Cele
Tf0356	scaffold_8	998,289	1,001,763	AGI-08	83.743	C_unshiu_00041	590,892	591,550	
Fb0372	scaffold_5	35,123,213	35,124,730	AGI-09	59.896	C_unshiu_00042	237,033	238,267	Both
Tf0061	scaffold_5	35,159,690	35,164,384	AGI-09	61.651	C_unshiu_00042	271,812	272,173	
Tf0151	scaffold_5	35,357,333	35,359,897	AGI-09	60.528	C_unshiu_00042	472,433	474,133	

Ks9010	scaffold_9	29,460,866	29,463,385	AGI-04	62.499	C_unshiu_00043	426,268	427,863	-
Tf0074	scaffold_9	28,444,512	28,446,074	AGI-03	37.816	C_unshiu_00045	62,979	63,720	Both
Tf0072	scaffold_9	28,757,274	28,759,075	AGI-03	35.962	C_unshiu_00045	373,116	373,665	
Afl638	scaffold_9	28,984,972	28,989,373	AGI-03	34.554	C_unshiu_00045	560,403	561,749	
Cp0813	scaffold_6	20,638,049	20,641,557	AGI-04	58.655	C_unshiu_00046	408,491	409,216	-
Afl467	scaffold_1	24,171,632	24,175,378	AGI-01	29.784	C_unshiu_00047	118,956	119,898	Both
Tf0049	scaffold_1	24,273,993	24,277,800	AGI-01	26.841	C_unshiu_00047	218,517	220,089	
Ks9001	scaffold_1	24,548,109	24,552,107	AGI-01	27.192	C_unshiu_00047	477,883	478,968	
If0003	scaffold_2	35,470,078	35,472,862	AGI-06	18.136	C_unshiu_00048	64,959	66,568	Both
Bf0028	scaffold_2	35,354,776	35,363,026	AGI-06	17.966	C_unshiu_00048	179,984	181,820	
AI0417	scaffold_2	35,212,691	35,214,865	AGI-06	20.297	C_unshiu_00048	328,582	330,136	
Afl580	scaffold_2	35,013,848	35,015,439	AGI-06	20.932	C_unshiu_00048	513,216	514,355	
Tf0166	scaffold_5	19,682,579	19,686,163	AGI-09	101.351	C_unshiu_00050	141,896	142,233	Both
Tf0130	scaffold_5	19,740,133	19,745,806	AGI-09	103.217	C_unshiu_00050	198,783	199,112	
Bf0128	scaffold_7	3,323,269	3,331,038	AGI-02	70.082	C_unshiu_00051	38,943	39,935	No
Cp1925	scaffold_9	3,115,971	3,120,271	AGI-03	24.457	C_unshiu_00051	228,296	228,896	
Lp0202	scaffold_9	3,131,006	3,134,438	AGI-03	23.085	C_unshiu_00051	241,738	243,679	
Fb1227	scaffold_9	3,367,718	3,376,062	AGI-03	19.631	C_unshiu_00051	469,562	471,051	
Wy0029	scaffold_6	21,145,703	21,148,279	AGI-04	NL	C_unshiu_00052	161,077	161,927	Both
Mf0092	scaffold_6	21,137,783	21,142,157	AGI-04	59.19	C_unshiu_00052	170,821	172,514	
Lp0206	scaffold_6	20,836,509	20,840,107	AGI-04	58.655	C_unshiu_00052	454,470	455,558	
Afl332	scaffold_6	20,834,427	20,836,151	AGI-04	NL	C_unshiu_00052	456,755	457,372	
Ov0126	scaffold_3	46,814,909	46,817,474	AGI-05	65.51	C_unshiu_00053	477,837	479,079	-
Cp0741	scaffold_1	3,746,178	3,749,903	AGI-01	75.964	C_unshiu_00055	169,374	170,461	-
Gn0014	scaffold_9	29,488,658	29,491,181	AGI-03	62.766	C_unshiu_00056	145,017	146,016	Both
Afl513	scaffold_9	29,523,786	29,526,379	AGI-03	63.545	C_unshiu_00056	181,483	183,106	
Afl037	scaffold_4	1,969,590	1,972,842	AGI-04	50.972	C_unshiu_00058	523,536	524,866	-
Afl437	scaffold_5	1,474,396	1,479,079	AGI-09	92.804	C_unshiu_00060	311,863	313,148	No
Afl629	scaffold_6	2,969,527	2,973,147	AGI-07	39.42	C_unshiu_00060	539,914	541,698	
Cp1044	scaffold_2	4,351,560	4,358,516	AGI-07	39.42	C_unshiu_00062	331,767	332,798	-
AI0413	scaffold_9	7,579,900	7,583,093	AGI-03	46.197	C_unshiu_00063	483,580	484,711	-
Lp0211	scaffold_1	25,816,949	25,818,472	AGI-01	30.175	C_unshiu_00066	279,539	280,737	Both
Afl094	scaffold_1	25,761,570	25,764,926	AGI-01	30.175	C_unshiu_00066	336,004	336,463	
Afl084	scaffold_1	25,716,862	25,720,071	AGI-01	24.643	C_unshiu_00066	379,523	381,328	
Mf0086	scaffold_1	25,592,494	25,593,617	AGI-01	26.428	C_unshiu_00066	501,040	501,781	
Tf0042	scaffold_2	9,338,651	9,341,271	AGI-06	115.164	C_unshiu_00067	86,126	86,389	Both
Tf0455	scaffold_2	9,338,651	9,341,271	AGI-06	114.172	C_unshiu_00067	86,373	88,305	
Bf0212	scaffold_2	9,206,686	9,211,152	AGI-06	117.593	C_unshiu_00067	214,939	216,131	
Gn0053	scaffold_2	32,481,549	32,484,643	AGI-06	34.164	C_unshiu_00070	263,677	265,167	-
Fb0478	scaffold_1	14,592,248	14,596,429	AGI-01	61.025	C_unshiu_00071	199,548	200,609	-
Bf0161	scaffold_2	6,658,003	6,660,691	AGI-06	144.849	C_unshiu_00072	364,391	364,898	Both
Afl636	scaffold_2	6,611,813	6,619,116	AGI-06	150.228	C_unshiu_00072	416,415	418,298	
Mf0033	scaffold_1	6,227,617	6,228,389	AGI-01	62.57	C_unshiu_00075	123,835	124,523	-
Gn0073	scaffold_2	35,895,662	35,898,841	AGI-06	12.402	C_unshiu_00077	30,776	32,166	Both
Tf0330	scaffold_2	35,970,577	35,973,973	AGI-06	13.47	C_unshiu_00077	102,694	103,353	
Afl499	scaffold_6	21,905,557	21,908,832	AGI-04	0	C_unshiu_00079	273,085	274,198	Both
Afl508	scaffold_6	21,983,044	21,991,500	AGI-04	1.342	C_unshiu_00079	329,490	331,054	
AI0636	scaffold_1	23,776,796	23,782,088	AGI-01	27.489	C_unshiu_00080	468,254	469,451	Both
Afl554	scaffold_1	23,753,759	23,756,754	AGI-01	28.775	C_unshiu_00080	491,880	492,725	
Ov0403	scaffold_2	23,891,814	23,893,095	AGI-06	61.779	C_unshiu_00081	296,860	297,758	-
Gn0068	scaffold_7	3,222,483	3,228,894	AGI-02	68.446	C_unshiu_00084	140,717	141,945	Both
Bf0405	scaffold_7	2,994,525	3,001,770	AGI-02	69.342	C_unshiu_00084	366,700	367,454	
Fb0227	scaffold_7	2,938,059	2,940,407	AGI-02	70.082	C_unshiu_00084	428,713	430,325	
Fb0234	scaffold_4	16,176,836	16,178,421	AGI-07	45.424	C_unshiu_00086	53,636	54,213	Both
Gn0040	scaffold_4	16,232,756	16,233,365	AGI-07	43.542	C_unshiu_00086	100,164	101,390	
Wy0008	scaffold_1	9,297,360	9,299,641	AGI-01	57.863	C_unshiu_00087	41,568	42,839	-
Cp0895	scaffold_6	19,241,700	19,246,874	AGI-04	67.375	C_unshiu_00089	11,400	13,234	Both
Tf0075	scaffold_6	19,142,307	19,156,510	AGI-04	66.455	C_unshiu_00089	107,947	109,800	
Ov0117	scaffold_6	19,105,139	19,113,780	AGI-04	66.455	C_unshiu_00089	153,747	154,762	
Bf0130	scaffold_9	26,981,498	26,984,277	AGI-03	40.452	C_unshiu_00095	228,452	229,093	-
Tf0016	scaffold_5	39,839,984	39,841,860	AGI-09	42.158	C_unshiu_00096	53,083	53,354	Both
Cp1143	scaffold_5	39,858,531	39,862,402	AGI-09	42.158	C_unshiu_00096	71,188	71,909	
Fb2156	scaffold_5	39,992,234	39,996,269	AGI-09	41.254	C_unshiu_00096	200,685	202,198	
Afl639	scaffold_6	23,462,487	23,466,580	AGI-04	6.635	C_unshiu_00098	241,233	242,665	Both
Cp2026	scaffold_6	23,506,491	23,509,585	AGI-04	43.239	C_unshiu_00098	286,118	286,855	
Tf0386	scaffold_6	23,593,516	23,595,492	AGI-04	41.367	C_unshiu_00098	371,696	372,165	
Tf0397	scaffold_6	23,657,256	23,657,810	AGI-04	40.646	C_unshiu_00098	442,120	442,684	
Mf0010	scaffold_4	19,467,669	19,468,803	AGI-07	55.503	C_unshiu_00099	12,955	13,358	Both
Tf0165	scaffold_4	19,605,473	19,608,059	AGI-07	55.503	C_unshiu_00099	154,647	155,729	
Tf0337	scaffold_4	19,635,415	19,637,061	AGI-07	54.869	C_unshiu_00099	187,602	187,966	
Afl116	scaffold_5	6,749,024	6,753,178	AGI-09	85.81	C_unshiu_00100	361,605	362,773	-
Ov0027	scaffold_9	4,167,809	4,176,655	AGI-03	51.749	C_unshiu_00101	224,852	225,785	Both
Bf0171	scaffold_9	4,116,356	4,117,315	AGI-03	52.548	C_unshiu_00101	280,924	281,286	
Fb0103	scaffold_1	22,758,712	22,761,740	AGI-01	30.703	C_unshiu_00103	161,551	162,888	Both
Bf0036	scaffold_1	22,840,947	22,844,111	AGI-01	29.144	C_unshiu_00103	248,922	250,342	
Bf1207	scaffold_1	22,912,695	22,913,798	AGI-01	0	C_unshiu_00103	319,604	319,898	
Tf0163	scaffold_1	26,740,822	26,744,016	AGI-01	31.24	C_unshiu_00105	318,410	319,407	-
Tf0264	scaffold_2	248,256	250,675	AGI-06	103.728	C_unshiu_00109	177,451	178,250	-
Tf0093	scaffold_5	29,413,143	29,414,562	AGI-09	86.512	C_unshiu_00110	149,626	150,535	-
Cp2118	scaffold_4	14,565,456	14,568,265	AGI-07	37.152	C_unshiu_00113	170,038	171,826	-
Tf0423	scaffold_9	25,662,049	25,666,791	AGI-03	50.361	C_unshiu_00115	251,184	251,787	Both
Tf0219	scaffold_9	25,662,049	25,666,791	AGI-03	49.25	C_unshiu_00115	251,188	251,783	
Af0016	scaffold_3	25,074,163	25,075,916	AGI-05	41.306	C_unshiu_00117	40,256	40,631	-
Bf0020	scaffold_9	25,185,200	25,188,839	AGI-03	47.887	C_unshiu_00119	238,085	239,504	Both

AI0302	scaffold_9	25,073,693	25,080,376	AGI-03	48.375	C_unshiu_00119	350,849	352,545	
Bf0174	scaffold_3	3,551,542	3,555,978	AGI-05	25.049	C_unshiu_00120	130,241	131,343	-
Bf0229	scaffold_9	17,242,218	17,245,901	AGI-03	46.274	C_unshiu_00122	121,017	122,133	-
Bf1185	scaffold_5	40,993,520	40,993,992	AGI-09	0	C_unshiu_00123	323,241	324,182	-
Af1645	scaffold_5	2,472,805	2,477,375	AGI-09	90.878	C_unshiu_00127	54,533	55,594	Both
Tf0088	scaffold_5	41,275,201	41,278,829	AGI-09	35.763	C_unshiu_00127	253,241	254,348	
Bf0412	scaffold_8	19,553,342	19,555,401	AGI-08	29.534	C_unshiu_00130	207,763	208,561	No
Mf0097	scaffold_6	16,712,914	16,716,984	AGI-07	44.663	C_unshiu_00130	309,938	310,327	
AI0407	scaffold_1	26,576,059	26,578,193	AGI-01	31.24	C_unshiu_00131	121,249	122,922	-
Gn0051	scaffold_6	24,082,263	24,084,635	AGI-04	39.51	C_unshiu_00133	63,717	64,692	Both
Af1462	scaffold_6	24,274,031	24,276,658	AGI-04	37.527	C_unshiu_00133	274,321	275,936	
Tf0143	scaffold_9	30,040,457	30,044,615	AGI-03	68.846	C_unshiu_00134	204,010	204,675	-
Tf0050	scaffold_6	24,874,840	24,876,388	AGI-04	36.106	C_unshiu_00135	84,951	85,708	Both
Tf0364	scaffold_6	24,606,501	24,612,654	AGI-04	37.102	C_unshiu_00135	341,494	342,404	
Af1700	scaffold_9	18,502,293	18,505,531	AGI-03	54.06	C_unshiu_00138	182,955	183,933	-
AI0625	scaffold_6	18,572,061	18,576,303	AGI-04	66.455	C_unshiu_00139	348,927	350,093	-
Ov0412	scaffold_2	31,036,088	31,038,222	AGI-06	42.11	C_unshiu_00143	67,883	68,997	-
Wy0003	scaffold_5	37,189,653	37,192,231	AGI-09	46.823	C_unshiu_00144	215,311	216,515	-
Af1456	scaffold_9	6,354,796	6,356,630	AGI-03	46.298	C_unshiu_00146	205,349	206,729	-
Tf0268	scaffold_3	10,140,904	10,142,752	AGI-05	43.8	C_unshiu_00149	326,584	327,190	-
Fb0143	scaffold_1	25,283,807	25,291,472	AGI-01	26.176	C_unshiu_00150	325,311	326,409	-
Gn0031	scaffold_4	17,365,402	17,366,484	AGI-08	37.706	C_unshiu_00151	365,810	366,947	-
Lp0226	scaffold_8	2,831,832	2,837,109	AGI-08	73.527	C_unshiu_00152	139,461	141,368	Both
Tf0250	scaffold_8	2,697,793	2,701,440	AGI-08	73.105	C_unshiu_00152	254,759	256,332	
AI0515	scaffold_8	2,673,135	2,674,232	AGI-08	73.663	C_unshiu_00152	273,828	274,991	
Lg2004	scaffold_8	2,646,458	2,649,562	AGI-08	76.045	C_unshiu_00152	348,106	349,243	
Tf0004	scaffold_2	33,074,821	33,084,014	AGI-06	32.312	C_unshiu_00153	67,547	68,409	-
Tf0376	scaffold_3	8,528,292	8,529,236	AGI-05	41.853	C_unshiu_00154	10,162	10,686	Both
Bf0177	scaffold_3	8,186,689	8,189,902	AGI-05	44.047	C_unshiu_00154	343,665	344,572	
Mf0072	scaffold_6	13,750,671	13,752,605	AGI-04	91.104	C_unshiu_00155	18,139	18,920	-
Bf0145	scaffold_8	22,730,839	22,737,521	AGI-08	20.703	C_unshiu_00158	107,529	109,166	-
Lp0143	scaffold_3	6,076,949	6,080,875	AGI-05	45.297	C_unshiu_00159	341,699	343,498	-
Cp1034	scaffold_9	21,107,894	21,109,919	AGI-03	46.76	C_unshiu_00160	183,039	184,304	-
Cp1500	scaffold_9	7,080,249	7,086,989	AGI-03	46.274	C_unshiu_00161	150,860	152,352	-
Af1253	scaffold_3	3,201,206	3,204,377	AGI-05	24.709	C_unshiu_00163	212,154	212,640	-
Af3822	scaffold_9	5,493,708	5,497,030	AGI-03	44.864	C_unshiu_00164	74,182	74,890	-
Tf0410	scaffold_4	213,798	215,848	AGI-07	6.146	C_unshiu_00168	273,686	274,620	-
Mf0094	scaffold_7	3,721,375	3,722,616	AGI-02	67.666	C_unshiu_00169	218,021	218,949	Both
Tf0259	scaffold_7	3,674,156	3,676,384	AGI-02	67.666	C_unshiu_00169	262,902	263,161	
Tf0117	scaffold_9	15,107,375	15,113,804	AGI-03	46.274	C_unshiu_00170	96,250	96,998	-
Af1111	scaffold_2	23,021,193	23,023,457	AGI-06	83.445	C_unshiu_00172	271,384	271,950	-
Tf0085	scaffold_6	2,067,586	2,073,007	AGI-08	96.807	C_unshiu_00176	90,695	92,474	-
CTV102	scaffold_7	13,302,657	13,305,335	AGI-02	14.399	C_unshiu_00181	310,108	311,973	
Tf0069	scaffold_5	38,566,192	38,571,337	AGI-09	42.789	C_unshiu_00183	20,156	20,932	AGI
If0211	scaffold_8	6,632,695	6,643,448	AGI-09	47.41	C_unshiu_00183	68,913	69,535	
Fb0138	scaffold_5	38,499,024	38,504,883	AGI-09	43.862	C_unshiu_00183	90,751	91,859	
Cp1624	scaffold_1	18,068,297	18,070,262	AGI-01	58.42	C_unshiu_00187	99,745	100,668	Both
Af1622	scaffold_1	18,117,264	18,119,451	AGI-01	54.754	C_unshiu_00187	142,514	143,656	
Tf0066	scaffold_1	18,270,818	18,273,015	AGI-01	58.42	C_unshiu_00187	287,622	288,187	
Af1109	scaffold_3	8,352,177	8,358,299	AGI-05	48.59	C_unshiu_00194	96,553	97,633	-
Af1205	scaffold_5	34,161,721	34,162,652	AGI-09	64.754	C_unshiu_00196	15,352	15,863	-
AI0635	scaffold_2	26,435,540	26,438,838	AGI-06	69.195	C_unshiu_00197	251,225	253,064	-
Mf0017	scaffold_3	7,337,405	7,339,222	AGI-05	44.674	C_unshiu_00199	77,315	78,999	Both
Cp1268	scaffold_3	7,327,436	7,329,167	AGI-05	44.864	C_unshiu_00199	87,565	88,383	
Gn0069	scaffold_1	10,946,316	10,949,617	AGI-01	57.863	C_unshiu_00201	213,819	215,016	-
Cp0870	scaffold_4	642,157	644,823	AGI-07	5.18	C_unshiu_00202	128,814	129,356	-
Fb0144	scaffold_3	50,861,813	50,866,146	AGI-05	107.806	C_unshiu_00206	283,440	285,075	-
Tf0348	scaffold_6	11,611,994	11,614,367	AGI-08	96.565	C_unshiu_00207	65,738	66,467	Both
Tf0271	scaffold_6	11,707,953	11,715,646	AGI-08	95.613	C_unshiu_00207	137,882	138,599	
Tf0062	scaffold_6	11,826,472	11,830,875	AGI-08	93.624	C_unshiu_00207	254,189	255,068	
Af0015	scaffold_3	44,021,779	44,027,536	AGI-05	54.268	C_unshiu_00217	86,727	87,041	Both
Tf0068	scaffold_3	44,141,518	44,144,453	AGI-05	54.268	C_unshiu_00217	203,542	204,669	
Mf0080	scaffold_3	44,202,968	44,205,663	AGI-05	55.049	C_unshiu_00217	286,385	287,421	
Tf0405	scaffold_8	6,025,802	6,031,497	AGI-08	61.643	C_unshiu_00220	49,497	49,996	-
Tf0235	scaffold_4	17,057,658	17,074,755	AGI-07	43.879	C_unshiu_00225	93,216	93,850	No
AI0632	scaffold_8	17,809,428	17,813,065	AGI-08	56.724	C_unshiu_00225	241,322	242,320	
If0207	scaffold_9	11,285,949	11,287,038	AGI-07	45.716	C_unshiu_00231	259,735	260,705	-
Wy0059	scaffold_6	8,562,431	8,564,865	AGI-08	91.502	C_unshiu_00232	292,601	294,599	-
If0208	scaffold_5	40,628,244	40,630,241	AGI-09	39.296	C_unshiu_00234	98,362	98,906	Both
Cp0506	scaffold_5	40,832,603	40,834,625	AGI-09	38.656	C_unshiu_00234	284,229	284,664	
Lp0112	scaffold_4	3,749,809	3,751,724	AGI-07	19.603	C_unshiu_00236	161,438	163,177	-
Cp0632	scaffold_1	27,698,934	27,703,620	AGI-08	56.724	C_unshiu_00237	43,408	44,256	Ccle
Tf0124	scaffold_1	27,457,358	27,462,893	AGI-01	34.062	C_unshiu_00237	268,235	269,580	
Tf0318	scaffold_4	13,751,433	13,754,767	AGI-07	37.467	C_unshiu_00240	284,043	284,621	-
Ov0322	scaffold_5	36,398,988	36,399,239	AGI-09	50.81	C_unshiu_00241	39,704	40,744	-
Bf1192	scaffold_1	10,678,653	10,684,627	AGI-01	57.863	C_unshiu_00242	105,122	105,571	-
Mf0070	scaffold_2	3,067,337	3,069,249	AGI-07	36.616	C_unshiu_00246	68,347	69,894	-
Af1487	scaffold_8	18,155,481	18,157,658	AGI-08	47.33	C_unshiu_00251	205,895	206,852	-
Tf0254	scaffold_6	23,916,876	23,939,827	AGI-04	38.226	C_unshiu_00253	15,529	16,146	-
Cp1162	scaffold_5	35,908,181	35,912,917	AGI-09	53.232	C_unshiu_00255	260,283	262,023	-
Af1056	scaffold_2	26,595,972	26,598,955	AGI-06	66.32	C_unshiu_00262	85,900	87,001	No
Bf1182	scaffold_3	45,731,067	45,735,238	AGI-03	56.391	C_unshiu_00262	95,724	96,369	
Tf0014	scaffold_8	24,976,315	24,979,483	AGI-08	0	C_unshiu_00271	58,603	59,366	-
Cp0160	scaffold_3	21,940,551	21,944,032	AGI-05	41.267	C_unshiu_00272	188,220	190,021	-

Cp0278	scaffold_3	24,750,794	24,752,907	AGI-04	122.142	C_unshiu_00286	79,687	81,226	Ccle
Af1087	scaffold_3	24,796,351	24,800,588	AGI-05	41.306	C_unshiu_00286	133,319	134,005	
Tf0315	scaffold_6	14,087,181	14,090,115	AGI-08	93.657	C_unshiu_00287	221,927	222,232	-
Af0004	scaffold_7	8,447,414	8,453,714	AGI-02	2.847	C_unshiu_00290	87,073	88,766	Both
Bf0142	scaffold_7	8,508,837	8,516,759	AGI-02	5.104	C_unshiu_00290	152,070	153,816	
Cp1111	scaffold_7	8,603,450	8,610,239	AGI-02	5.054	C_unshiu_00290	246,496	248,012	
Af1470	scaffold_3	46,380,264	46,381,057	AGI-05	62.767	C_unshiu_00291	69,166	69,821	-
Bf0413	scaffold_1	20,039,959	20,042,536	AGI-09	86.996	C_unshiu_00293	233,618	234,624	-
Af1017	scaffold_9	22,671,554	22,672,639	AGI-03	46.274	C_unshiu_00295	151,052	151,649	Both
Gn0067	scaffold_9	22,728,310	22,730,086	AGI-03	46.274	C_unshiu_00295	207,963	208,499	
Af1379	scaffold_7	3,456,105	3,460,607	AGI-02	68.467	C_unshiu_00301	135,100	136,428	-
AI0029	scaffold_1	28,607,325	28,610,917	AGI-01	37.357	C_unshiu_00305	69,728	70,794	-
Af1498	scaffold_9	6,766,349	6,768,025	AGI-03	46.274	C_unshiu_00307	212,698	213,804	-
Tf0026	scaffold_7	285,299	292,550	AGI-02	78.531	C_unshiu_00312	156,022	157,915	-
Tf0051	scaffold_3	3,963,024	3,966,516	AGI-05	25.59	C_unshiu_00318	155,070	155,842	-
AI0324	scaffold_6	18,188,139	18,189,060	AGI-08	41.127	C_unshiu_00320	12,866	14,002	AGI
Ov0125	scaffold_8	20,352,232	20,354,410	AGI-08	41.398	C_unshiu_00320	87,170	88,393	
If0203	scaffold_3	42,229,224	42,231,230	AGI-05	51.293	C_unshiu_00322	121,270	123,028	-
Cp1427	scaffold_3	45,576,863	45,579,197	AGI-05	58.917	C_unshiu_00326	23,447	24,081	-
Af1685	scaffold_3	40,086,985	40,089,114	AGI-05	56.481	C_unshiu_00335	77,066	77,527	-
Fb0104	scaffold_2	35,758,546	35,760,859	AGI-06	16.857	C_unshiu_00337	135,274	136,613	-
Fb0237	scaffold_1	23,487,200	23,497,316	AGI-01	28.325	C_unshiu_00338	142,832	144,302	Both
Tf0406	scaffold_1	23,463,843	23,470,911	AGI-01	28.515	C_unshiu_00338	167,017	168,735	
Tf0168	scaffold_1	24,898,769	24,905,716	AGI-01	25.752	C_unshiu_00341	171,223	172,317	-
Fb0322	scaffold_4	3,249,710	3,254,808	AGI-07	14.58	C_unshiu_00342	221,130	222,289	-
Tf0342	scaffold_3	1,649,410	1,655,963	AGI-05	5.51	C_unshiu_00343	203,168	203,761	Both
Mf0039	scaffold_3	42,488,524	42,497,198	AGI-05	5.51	C_unshiu_00343	222,744	224,235	
Bf0033	scaffold_1	27,204,998	27,211,059	AGI-01	32.408	C_unshiu_00347	170,516	172,232	-
Lp0105	scaffold_7	786,995	788,306	AGI-02	75.939	C_unshiu_00353	92,160	93,157	Both
Af1031	scaffold_7	718,488	722,516	AGI-02	76.168	C_unshiu_00353	153,436	154,455	
Gn0101	scaffold_7	662,560	667,420	AGI-02	77.881	C_unshiu_00353	203,291	204,312	
Cp1523	scaffold_9	1,356,580	1,359,310	AGI-03	12.606	C_unshiu_00355	190,636	191,434	-
Tf0065	scaffold_4	13,945,795	13,951,313	AGI-07	41.876	C_unshiu_00357	35,367	36,358	-
AI0517	scaffold_8	2,572,439	2,574,295	AGI-08	74.016	C_unshiu_00363	6,442	7,480	-
AI0206	scaffold_4	12,309,480	12,311,438	AGI-07	38.565	C_unshiu_00365	192,773	194,402	-
Wy0032	scaffold_9	10,357,084	10,359,834	AGI-03	46.121	C_unshiu_00367	101,486	102,845	-
Fb0326	scaffold_5	43,051,579	43,053,394	AGI-09	8.959	C_unshiu_00370	207,157	208,442	-
Fb0159	scaffold_8	23,456,630	23,459,052	AGI-08	13.499	C_unshiu_00375	28,660	30,014	-
Vt0032	scaffold_7	17,901,487	17,905,433	AGI-02	25.601	C_unshiu_00382	167,171	167,739	-
Tf0353	scaffold_3	34,696,661	34,702,240	AGI-08	53.069	C_unshiu_00392	2,271	3,047	-
Fb0827	scaffold_9	2,353,442	2,357,780	AGI-03	19.017	C_unshiu_00394	42,021	42,860	-
Tf0058	scaffold_1	20,885,102	20,889,283	AGI-01	46.623	C_unshiu_00395	52,008	53,753	-
Af1091	scaffold_3	43,316,046	43,317,909	AGI-05	52.655	C_unshiu_00411	11,742	12,943	Ccle
Tf0256	scaffold_3	43,420,187	43,422,432	AGI-05	52.314	C_unshiu_00411	117,111	117,990	
AI0319	scaffold_3	43,447,942	43,449,920	AGI-03	46.274	C_unshiu_00411	144,013	145,548	
Tf0420	scaffold_3	6,602,994	6,605,239	AGI-05	37.103	C_unshiu_00412	81,558	82,001	-
Mf0090	scaffold_7	17,201,236	17,204,282	AGI-02	25.869	C_unshiu_00421	197,086	198,124	AGI
AI0329	scaffold_9	30,486,453	30,489,765	AGI-02	25.162	C_unshiu_00421	197,239	197,885	
Bf0195	scaffold_5	31,069,237	31,075,092	AGI-09	74.076	C_unshiu_00422	35,715	36,023	-
Af1036	scaffold_3	7,016,831	7,019,863	AGI-05	43.118	C_unshiu_00425	65,652	67,086	-
Bf0136	scaffold_4	15,056,834	15,058,632	AGI-07	45.051	C_unshiu_00428	119,979	120,983	-
Bf0182	scaffold_1	17,831,333	17,834,889	AGI-01	47.439	C_unshiu_00429	91,081	92,192	-
Tf0360	scaffold_5	38,669,123	38,672,110	AGI-09	43.14	C_unshiu_00430	100,044	100,958	-
Wy0018	scaffold_3	5,318,874	5,321,054	AGI-05	29.033	C_unshiu_00442	123,621	124,739	Both
Tf0017	scaffold_3	5,360,113	5,362,918	AGI-05	28.617	C_unshiu_00442	163,934	165,575	
Gn0050	scaffold_3	5,382,490	5,385,009	AGI-05	29.035	C_unshiu_00442	186,245	186,919	
AI0326	scaffold_3	6,409,311	6,411,254	AGI-05	42.609	C_unshiu_00443	62,633	63,257	-
Ov0118	scaffold_5	34,294,853	34,297,359	AGI-04	34.838	C_unshiu_00447	119,859	121,521	-
Tf0059	scaffold_1	12,883,722	12,897,805	AGI-01	56.416	C_unshiu_00450	56,639	58,365	-
Af1100	scaffold_7	10,853,487	10,855,215	AGI-02	13.326	C_unshiu_00451	121,001	121,936	-
Cp0249	scaffold_5	39,480,647	39,484,776	AGI-09	41.336	C_unshiu_00457	97,421	98,863	-
Wy0039	scaffold_8	18,824,262	18,825,514	AGI-08	45.276	C_unshiu_00459	34,579	35,269	-
Cp1279	scaffold_4	12,900,777	12,903,692	AGI-07	40.184	C_unshiu_00461	145,032	146,473	-
Fb0301	scaffold_2	14,143,537	14,146,003	AGI-06	92.727	C_unshiu_00466	14,015	15,443	-
Vs0006	scaffold_7	19,024,295	19,026,021	AGI-02	27.491	C_unshiu_00468	131,959	132,637	-
Tf0167	scaffold_4	17,143,350	17,147,918	AGI-07	46.244	C_unshiu_00478	20,151	21,179	-
Tf0241	scaffold_8	22,106,872	22,114,471	AGI-08	27.618	C_unshiu_00481	124,242	126,117	-
Cp0237	scaffold_4	10,652,775	10,655,082	AGI-07	35.506	C_unshiu_00483	107,551	109,482	-
Tf0221	scaffold_7	489,316	492,882	AGI-02	81.212	C_unshiu_00488	45,289	46,455	-
Tf0172	scaffold_7	9,976,621	9,980,176	AGI-02	10.638	C_unshiu_00496	49,915	50,650	-
Tf0307	scaffold_1	25,395,688	25,397,278	AGI-01	23.266	C_unshiu_00498	117,944	118,778	-
Tf0012	scaffold_3	37,601,493	37,607,586	AGI-05	47.173	C_unshiu_00502	159,760	161,506	-
Af1052	scaffold_9	12,808,154	12,820,311	AGI-08	56.724	C_unshiu_00508	48,148	48,924	-
Af1043	scaffold_7	20,049,936	20,052,008	AGI-02	44.231	C_unshiu_00519	110,353	110,919	-
Tf0212	scaffold_4	19,816,800	19,825,304	AGI-07	56.586	C_unshiu_00535	171,352	171,726	-
Fb0995	scaffold_7	1,180,019	1,202,408	AGI-02	74.555	C_unshiu_00544	119,319	121,258	-
Tf0184	scaffold_3	45,393,857	45,398,298	AGI-05	57.948	C_unshiu_00546	76,928	78,456	Both
Tf0309	scaffold_3	45,314,016	45,317,065	AGI-05	57.948	C_unshiu_00546	158,771	159,327	
Bf0011	scaffold_1	4,722,889	4,726,339	AGI-01	67.331	C_unshiu_00547	55,517	57,448	-
Gn0064	scaffold_3	29,351,854	29,354,190	AGI-05	42.191	C_unshiu_00549	41,263	41,832	-
Gnom29	scaffold_5	12,677,414	12,680,761	AGI-02	22.436	C_unshiu_00578	77,792	78,245	-
Tf0001	scaffold_3	8,647,529	8,652,282	AGI-05	41.893	C_unshiu_00580	77,227	77,872	-
Tf0077	scaffold_1	28,433,972	28,437,921	AGI-01	34.814	C_unshiu_00590	86,517	87,927	Both
Cp0671	scaffold_1	28,353,948	28,356,507	AGI-01	36.113	C_unshiu_00590	165,804	167,371	

Af1568	scaffold_1	28,821,463	28,827,153	AGI-01	24,954	C_unshiu_00591	110,268	110,642	-
AI0215	scaffold_1	21,918,726	21,922,966	AGI-01	38.255	C_unshiu_00595	86,705	88,385	-
Vt0003	scaffold_8	8,153,660	8,174,407	AGI-08	56.724	C_unshiu_00616	11,044	12,163	AGI
Gn0018	scaffold_4	5,053,540	5,061,039	AGI-08	84.345	C_unshiu_00616	99,864	101,212	-
Fb0365	scaffold_7	20,872,462	20,874,659	AGI-02	31.596	C_unshiu_00622	77,523	78,301	-
Bf0165	scaffold_3	4,903,592	4,905,871	AGI-05	29.035	C_unshiu_00628	38,496	39,253	-
AI0026	scaffold_6	6,694,890	6,696,619	AGI-04	101.201	C_unshiu_00631	155,608	157,516	-
Bf0415	scaffold_8	18,363,676	18,367,862	AGI-08	46.736	C_unshiu_00643	117,495	118,250	-
AI0621	scaffold_7	4,575,503	4,577,125	AGI-02	60.566	C_unshiu_00656	33,242	34,443	-
Cp0257	scaffold_5	36,526,073	36,528,589	AGI-09	48.39	C_unshiu_00657	52,827	54,063	-
Cp0748	scaffold_3	34,673,451	34,674,900	AGI-01	33.562	C_unshiu_00669	104,261	104,639	-
Bf0409	scaffold_3	28,424,097	28,425,981	AGI-08	57.386	C_unshiu_00682	42,172	43,117	AGI
Tf0144	scaffold_8	8,009,000	8,012,045	AGI-08	56.439	C_unshiu_00682	88,130	88,778	-
Tf0350	scaffold_3	8,914,744	8,921,411	AGI-05	43.295	C_unshiu_00695	76,998	77,861	-
Tf0056	scaffold_6	22,305,922	22,308,021	AGI-04	49.225	C_unshiu_00704	5,511	7,138	-
Bf0116	scaffold_2	7,662,753	7,667,440	AGI-06	133.8	C_unshiu_00729	82,759	84,066	-
Tf0368	scaffold_3	40,963,774	40,965,744	AGI-05	48.59	C_unshiu_00735	77,717	78,330	Both
Cp0047	scaffold_3	40,918,148	40,922,656	AGI-05	48.59	C_unshiu_00735	120,187	121,341	-
Af1593	scaffold_2	27,738,397	27,741,912	AGI-06	61.501	C_unshiu_00745	83,918	85,526	-
Vt0011	scaffold_3	12,984,411	12,986,574	AGI-05	41.306	C_unshiu_00771	93,947	95,687	-
Af1096	scaffold_3	42,061,488	42,063,267	AGI-05	51.052	C_unshiu_00778	89,937	90,554	-
Tf0311	scaffold_6	15,932,016	15,936,176	AGI-08	91.89	C_unshiu_00779	79,304	79,959	-
AI0409	scaffold_7	5,042,508	5,046,271	AGI-02	50.758	C_unshiu_00789	73,056	73,700	-
Cp1598	scaffold_3	3,802,397	3,805,494	AGI-05	12.715	C_unshiu_00849	73,366	75,131	-
Af1515	scaffold_8	20,838,053	20,844,872	AGI-08	40.438	C_unshiu_00883	80,334	81,223	-
Fb0357	scaffold_5	40,550,222	40,554,434	AGI-09	39.104	C_unshiu_00889	46,605	48,233	-
Af1452	scaffold_3	5,518,457	5,529,974	AGI-05	29.863	C_unshiu_00900	29,273	30,107	-
Cp0100	scaffold_7	10,471,136	10,474,241	AGI-02	14.111	C_unshiu_00924	50,367	50,819	-
Cp2223	scaffold_3	3,483,334	3,485,637	AGI-05	25.049	C_unshiu_00933	87,061	88,676	-
Cp0921	scaffold_3	25,448,858	25,451,858	AGI-05	40.001	C_unshiu_00950	89,159	91,104	-
Af1207	scaffold_7	15,605,065	15,607,345	AGI-02	21.344	C_unshiu_00968	8,443	9,442	-
Ov0002	scaffold_4	2,422,861	2,424,838	AGI-07	13.657	C_unshiu_00979	50,901	52,287	Both
Tf0335	scaffold_4	2,457,798	2,458,868	AGI-07	13.855	C_unshiu_00979	85,862	86,441	-
Mf0079	scaffold_8	24,721,937	24,724,569	AGI-08	3.409	C_unshiu_00984	57,097	58,156	-
Ov0425	scaffold_2	4,021,167	4,024,377	AGI-07	41.317	C_unshiu_00992	79,213	80,336	-
Fb1678	scaffold_3	6,000,266	6,002,833	AGI-05	45.297	C_unshiu_00997	44,796	46,742	Both
Cp0073	scaffold_3	5,972,288	5,978,062	AGI-05	34.924	C_unshiu_00997	74,011	75,013	-
Af1345	scaffold_6	13,082,313	13,084,012	AGI-08	93.624	C_unshiu_01022	8,834	10,060	-
Gn0021	scaffold_5	39,630,111	39,635,609	AGI-09	42.621	C_unshiu_01033	47,913	48,240	-
Tf0300	scaffold_3	43,862,440	43,863,744	AGI-05	54.726	C_unshiu_01051	83,628	84,359	-
Tf0070	scaffold_5	39,748,754	39,753,073	AGI-09	45.029	C_unshiu_01089	25,449	26,436	-
Lp0207	scaffold_3	6,140,332	6,142,252	AGI-05	45.374	C_unshiu_01103	67,599	69,085	-
Tf0195	scaffold_8	67,997	74,191	AGI-08	87.683	C_unshiu_01137	32,922	33,787	-
Tf0053	scaffold_3	29,153,425	29,156,189	AGI-05	42.265	C_unshiu_01169	39,413	40,176	-
Cp1477	scaffold_5	36,095,844	36,099,890	AGI-09	54.123	C_unshiu_01173	63,021	63,540	-
Tf0013	scaffold_8	13,408,610	13,413,938	AGI-08	56.123	C_unshiu_01226	24,287	25,453	-
Af1047	scaffold_3	16,357,227	16,363,309	AGI-05	41.306	C_unshiu_01252	65,822	66,397	-
Edb003	scaffold_4	16,046,322	16,048,971	AGI-07	41.83	C_unshiu_01260	30,382	32,249	-
Tf0286	scaffold_6	25,001,586	25,004,619	AGI-04	32.71	C_unshiu_01279	43,379	44,545	-
Af1576	scaffold_3	41,566,338	41,572,373	AGI-05	47.986	C_unshiu_01337	33,312	33,903	-
Bf0232	scaffold_4	21,861,774	21,865,635	AGI-07	67.25	C_unshiu_01346	18,347	19,889	-
Af1110	scaffold_8	9,656,865	9,660,001	AGI-08	56.69	C_unshiu_01425	4,997	5,401	-
Bf0013	scaffold_1	23,111,733	23,116,067	AGI-01	NL	C_unshiu_01429	14,732	15,876	-
If0002	scaffold_2	35,546,692	35,549,207	AGI-06	19.002	C_unshiu_01497	10,346	12,188	Both
Tf0119	scaffold_2	35,564,238	35,570,619	AGI-06	19.002	C_unshiu_01497	28,065	28,836	-
Gmom24	scaffold_7	15,182,950	15,186,486	AGI-02	19.971	C_unshiu_01526	18,768	19,509	-
Tf0153	scaffold_3	16,957,427	16,959,735	AGI-05	41.267	C_unshiu_01562	12,097	13,368	-
Af1453	scaffold_3	4,663,211	4,664,667	AGI-05	27.956	C_unshiu_01589	28,846	30,212	-
Cp0062	scaffold_4	16,107,199	16,111,155	AGI-07	45.716	C_unshiu_01642	17,963	19,257	-
Mf0055	scaffold_3	45,551,345	45,552,620	AGI-05	57.948	C_unshiu_01674	27,667	28,827	-
Cp2237	scaffold_8	13,190,041	13,194,829	AGI-08	55.965	C_unshiu_01736	20,073	21,243	-
Tf0449	scaffold_1	28,254,307	28,257,305	AGI-01	0.404	C_unshiu_01997	33,146	34,571	-
AI0037	scaffold_7	14,310,100	14,311,942	AGI-02	15.816	C_unshiu_02045	17,521	19,001	-
Vs0016	scaffold_8	23,429,879	23,430,542	AGI-05	25.98	C_unshiu_02110	27,707	28,278	-
Tf0011	scaffold_3	11,078,798	11,089,090	AGI-05	42.191	C_unshiu_02207	10,153	11,356	-
AI0011	scaffold_6	10,316,999	10,318,328	AGI-03	46.768	C_unshiu_02282	6,806	7,761	-
Cp1267	scaffold_6	7,983,788	7,991,526	AGI-08	94.382	C_unshiu_02325	7,587	9,259	-
Tf0326	scaffold_7	2,501,520	2,509,737	AGI-02	69.928	C_unshiu_02417	3,915	5,288	-
Cp0052	scaffold_9	26,817,500	26,820,707	AGI-08	96.035	C_unshiu_02495	17,083	18,310	-
Cp1628	scaffold_3	12,822,911	12,825,620	AGI-05	41.272	C_unshiu_02666	10,379	12,058	-