

Supplementary Table 3. List of 25 *A. kamchatica* accessions, sampling locations and sequencing depth ^a

Accession	Species	location	lat_lon	Reads	Total_C overage	Sorted_Ahal	Sorted_Alyr	Sorted_Com mon	Total_Ahal	Total_Alyr	Cov_ Ahal	Cov_ Alyr	SNPs_Ahal	SNPs_Alyr	BioSample
ALK	<i>Arabidopsis kamchatica</i> subsp. <i>kamchatica</i>	USA: Alaska, Richardson Highway, South of Darling Creek bridge	63.4N 145.8W	41,222,868	8.8	14,118,890	10,796,478	1,121,305	15,172,336	11,851,960	7.8	6.8	170,099	267,382	SAMD00089941
DEN	<i>Arabidopsis kamchatica</i> subsp. <i>kamchatica</i>	Russia: Kamchatskii krai, near the river Denokhonok	54.2N 158.1E	29,858,928	6.3	10,393,815	7,703,567	764,879	11,122,492	8,427,447	5.7	4.9	109,229	211,658	SAMD00089945
FKS	<i>Arabidopsis kamchatica</i> subsp. <i>kamchatica</i>	Japan: Fukushima	37.2N 139.9E	40,709,648	8.7	14,460,719	10,002,155	1,729,908	16,138,372	11,676,183	8.3	6.7	167,396	320,181	SAMD00089940
HKB	<i>Arabidopsis kamchatica</i> subsp. <i>kamchatica</i>	Japan: Hakubayari	36.7N 137.8E	83,323,614	17.7	29,795,327	22,072,831	2,089,056	31,789,560	24,049,797	16.4	13.9	270,403	553,738	SAMD00089930
HMK	<i>Arabidopsis kamchatica</i> subsp. <i>kawasakiana</i>	Japan: Toyama	36.7N 137.3E	70,437,142	15	23,995,643	17,543,808	1,878,282	25,794,172	19,323,093	13.3	11.1	279,514	496,611	SAMD00089926
HUK	<i>Arabidopsis kamchatica</i> subsp. <i>kawasakiana</i>	Japan: Hukinoura	34.6N 136.6E	106,898,796	22.7	37,136,448	27,677,971	2,750,024	39,756,647	30,274,808	20.5	17.5	340,598	617,775	SAMD00089924
IWH	<i>Arabidopsis kamchatica</i> subsp. <i>kamchatica</i>	Japan: Iwahana	35.9N 137.8E	52,549,196	11.2	18,872,866	14,148,184	1,425,613	20,239,313	15,500,712	10.4	8.9	229,511	476,579	SAMD00089935
KNS	<i>Arabidopsis kamchatica</i> subsp. <i>kamchatica</i>	Japan: Kinasa	36.7N 138.0E	91,705,866	19.5	32,746,897	24,388,091	2,336,948	34,975,970	26,595,190	18	15.3	289,477	583,765	SAMD00089928
KSO	<i>Arabidopsis kamchatica</i> subsp. <i>kamchatica</i>	Japan: Kisokomagatake	35.8N 137.8E	82,333,488	17.5	29,916,953	22,331,282	2,216,628	32,037,117	24,432,965	16.5	14.1	273,080	553,639	SAMD00089929
KWS	<i>Arabidopsis kamchatica</i> subsp. <i>kawasakiana</i>	Japan: Takashima	35.4N 136.0E	57,556,260	12.2	18,879,180	13,938,194	1,710,830	20,528,832	15,573,108	10.6	9	214,919	385,250	SAMD00045705
MAG	<i>Arabidopsis kamchatica</i> subsp. <i>kamchatica</i>	Japan: Magosazima	35.3N 138.3E	100,480,490	21.4	35,909,855	26,847,065	2,604,139	38,400,425	29,310,981	19.8	16.9	290,361	593,827	SAMD00089925
MAI	<i>Arabidopsis kamchatica</i> subsp. <i>kawasakiana</i>	Japan: Maiamihama	35.1N 136.0E	99,558,822	21.2	34,004,362	25,237,282	2,475,873	36,363,640	27,575,460	18.7	15.9	324,490	585,919	SAMD00089927
MUR	<i>Arabidopsis kamchatica</i> subsp. <i>kamchatica</i>	Japan: Murodo	36.2N 137.4E	92,156,804	19.6	28,450,072	20,969,486	1,884,357	30,239,914	22,723,204	15.6	13.1	259,583	519,488	SAMD00089932
OKH1	<i>Arabidopsis kamchatica</i> subsp. <i>kamchatica</i>	Russia: Khabarovsk krai, Okhotskii raion, foothills of Mt. Lanchinskii gory	59.4N 143.3E	47,972,636	10.2	16,240,333	12,120,236	1,057,909	17,225,075	13,098,741	8.9	7.6	208,143	400,845	SAMD00089938
OKH2	<i>Arabidopsis kamchatica</i> subsp. <i>kamchatica</i>	Russia: Khabarovsk krai, Okhotskii raion, foothills of Mt. Lanchinskii gory	59.4N 143.3E	45,097,050	9.6	15,717,431	11,766,389	1,179,854	16,842,632	12,882,931	8.7	7.4	197,546	380,656	SAMD00089939
PAK	<i>Arabidopsis kamchatica</i> subsp. <i>kamchatica</i>	USA: Alaska, Potter	61.2N 149.3W	180,109,152	38.3	27,117,743	20,836,034	2,642,737	29,631,690	23,318,884	15.3	13.4	214,144	361,332	SAMD00089933
SAK	<i>Arabidopsis kamchatica</i> subsp. <i>kamchatica</i>	Russia: Sakhalin, Marakovskii raion, Zaozernoye	48.4N 142.7E	51,986,358	11.1	16,978,097	12,521,408	1,214,392	18,133,252	13,663,380	9.3	7.9	208,332	408,064	SAMD00089937
SHI	<i>Arabidopsis kamchatica</i> subsp. <i>kamchatica</i>	Japan: Shirakawa	36.3N 136.9E	36,818,198	7.8	12,491,175	9,099,814	863,158	13,310,606	9,909,963	6.9	5.7	146,395	294,813	SAMD00089943
SMS	<i>Arabidopsis kamchatica</i> subsp. <i>kamchatica</i>	Japan: Simasimadani	36.2N 137.8E	82,024,638	17.4	28,623,779	21,103,492	2,121,047	30,651,632	23,110,874	15.8	13.3	267,098	535,000	SAMD00089931
SRM	<i>Arabidopsis kamchatica</i> subsp. <i>kamchatica</i>	Japan: Mt. Shirouma	36.8N 137.8E	103,381,614	22	37,373,380	27,889,832	2,881,603	40,139,114	30,636,345	20.7	17.7	295,244	601,727	SAMD00089923
TGS	<i>Arabidopsis kamchatica</i> subsp. <i>kamchatica</i>	Japan: Mt. Shikokutsurugi	33.9N 134.1E	64,747,706	13.8	23,060,935	16,670,868	1,747,686	24,729,621	18,328,385	12.7	10.6	240,958	500,049	SAMD00089934
TGZ	<i>Arabidopsis kamchatica</i> subsp. <i>kamchatica</i>	Japan: Tsurugigozen	36.6N 137.6E	49,130,130	10.4	17,080,259	12,600,990	1,278,910	18,304,390	13,814,192	9.4	8	205,685	421,797	SAMD00089936
TWN	<i>Arabidopsis kamchatica</i> subsp. <i>kamchatica</i>	Taiwan: Taroko national park	24.0N 121.3E	27,214,840	5.8	9,374,591	6,723,726	725,941	10,068,892	7,412,536	5.2	4.3	99,741	178,623	SAMD00045707
TYG	<i>Arabidopsis kamchatica</i> subsp. <i>kamchatica</i>	Japan: Tateyamagawa	36.6N 137.6E	33,247,108	7.1	11,084,924	8,145,924	755,793	11,802,582	8,856,608	6.1	5.1	127,526	255,460	SAMD00089944
VAG	<i>Arabidopsis kamchatica</i> subsp. <i>kamchatica</i>	Russia: Kamchatskii krai, near the river Vaktan Ganal'Ōskii	53.5N 157.6E	40,538,374	8.6	13,933,714	10,460,424	960,743	14,843,746	11,362,106	7.6	6.6	171,068	331,211	SAMD00089942

^a The samples are in the DDBJ short read archive BioProjects PRJDB6166 and PRJDB4054 (KWS and TWN only).