

Supplementary Table 1. Soybean RNA-seq mapping summary

ACCESSION	LEFT READ	LEFT MAPPED	LEFT M.A*	Mapping %	RIGHT READ	RIGHT MAPPED	RIGHT M.A*	Mapping %
SRR926172	15673912	14302249	517950	91.2	15673912	14235029	513448	90.8
SR1298817	21738194	20110856	463880	92.5	21738194	19943589	457305	91.7
SRR1298818	27092615	25094844	624175	92.6	27092615	24870241	615284	91.8
SRR1298819	21470570	19993955	654262	93.1	21470570	19795343	642332	92.2
SRR1298820	34862941	32317262	815577	92.7	34862941	31983366	801406	91.7
SRR1531424	12234456	10912637	453859	89.2	12234456	10972317	457998	89.7
SRR1531427	21727884	20813971	401793	95.8	21727884	20663852	395239	95.1
SRR1531428	49367558	45514287	1167233	92.2	49367558	45186043	1150211	91.5
SRR1592286	1902879	1618131	90183	85.0	1902879	1686317	96368	88.6
SRR1592294	3454251	3083690	75275	89.3	3454251	3204497	79955	92.8
SRR1914579	19525107	17856578	1278103	91.5	19525107	16800585	1164490	86.0
SRR2048193	83682	61951	11703	74.0	83682	59804	11342	71.5
SRR2048199	7159808	5124335	937426	71.6	7159808	4126786	820971	57.6
SRR2051087	30787923	29918595	5729623	97.2	30787923	29400893	5620844	95.5
SRR2079327	9928704	9181	398	0.1	9928704	9007835	744723	90.7
SRR2079328	25730014	26807	637	0.1	25730014	23648729	1832767	91.9
SRR3475910	589609	576359	124410	97.8	589609	567649	122842	96.3
SRR3475911	11157504	10916360	2557273	97.8	11157504	10801771	2537036	96.8
SRR6675512	32267507	14083065	738822	43.6				
SRR6675514	31958812	29005406	2201736	90.8	31958812	28521035	2158252	89.2
SRR6808244	81035347	72771722	1112426	89.8	81035347	62482693	905276	77.1
SRR6853263	33074916	28264112	392171	85.5	33074916	27200454	366087	82.2
SRR6853265	30077852	26065228	446815	86.7	30077852	25162138	422249	83.7
SRR6853269	32107167	27702085	410607	86.3	32107167	26694647	26694647	83.1
SRR6853274	27258419	23630046	491921	86.7	27258419	22814186	466353	83.7
SRR926175	15435801	14220773	476774	92.1	15435801	14156597	472512	91.7
SRR830182	48847168	46355767	2426531	94.9	48847168	46105391	2407709	94.4
SRR830183	60618219	57653649	3113875	95.1	60618219	57389384	3096193	94.7
SRR830184	41586412	39522811	1949399	95.0	38107401	1858048	540175	4.9
SRR830185	69364427	66064840	6414926	95.2	69364427	60925700	5805644	87.8
SRR830186	44850498	42778539	3551754	95.4	44850498	39531233	3217359	88.1
SRR830187	81774580	77813940	8449170	95.2	81774580	71894985	7677497	87.9
SRR830188	39342420	37016836	4795252	94.1	39342420	34165951	4370789	86.8
SRR830190	51061421	48892122	5552651	95.8	51061421	45676841	5128339	89.5
SRR830191	65828827	59461810	6486929	90.3	65828827	55110779	5906253	83.7
SRR830192	41248905	37375178	3925074	90.6	41248905	34664236	3578966	84.0
SRR830193	50618077	45733653	4881599	90.4	50618077	42628837	4475050	84.2
SRR830194	56010032	52124910	5003578	93.1	56010032	47454992	4474301	84.7
SRR830195	100420327	93391603	9599803	93.0	100420327	85012671	8573878	84.7
SRR830196	76387754	71094174	6759722	93.1	76387754	64738948	6039821	84.8
SRR830197	68885120	64964674	6643035	94.3	68885120	60694219	6114414	88.1
SRR830198	72428008	68176018	7038338	94.1	72428008	64078257	6518485	88.5
SRR830199	51597271	49503812	531021	95.9	51597271	46045932	4866362	89.2
SRR830200	62861610	59463837	5506022	94.6	62861610	56122263	5141961	89.3
SRR830201	82007125	77668425	8805662	94.7	82007125	73278694	8228634	89.4
SRR830205	51064159	48243007	5241555	94.5	51064159	43982997	4727364	86.1
SRR830204	49929189	47429346	5032043	95.0	49929189	43129948	4515153	86.4
SRR830202	92761463	87658883	9770203	94.5	92761463	82585406	9111396	89.0
SRR830206	63069990	58926852	4946557	93.4	63069990	55177971	4581582	87.5
SRR830207	58293335	54637819	4196482	93.7	58293335	51267488	3905904	87.9
SRR830208	70329261	65745229	5345757	93.5	70329261	61726430	4991556	87.8
SRR830209	68110555	64717696	3188188	95.0	68110555	55406590	2631991	813.5
SRR830210	79106644	74901100	5536076	94.7	79106644	64261471	4665042	81.2
SRR639164	12144402	10064054	781135	82.9	12144402	9476079	712707	78.0
SRR639165	183501746	177244677	48151386	96.6				
SRR639166	77554311	58150908	8126513	75.0				
SRR639167	181935190	176338071	16720793	96.9				
SRR639169	149914731	144020364	21168300	96.1				
SRR639171	129663666	124912391	19136430	96.3				
SRR639173	122009350	118186783	14152277	96.9				
SRR639175	63988576	57757808	5558545	90.3				
SRR639176	83401275	74871933	20198456	89.8				
SRR639162_64_68_72_7	65275886	45828667	6485699	70.2	65275886	44342866	6193882	67.9
SRR10530611	39090687	33199352	741621	84.9	39090687	30964374	691481	79.2
SRR10530612	39040385	31918303	788862	81.8	39040385	28443880	702550	72.9
SRR10530613	41664803	35073758	815389	84.2	41664803	31970966	745468	76.7
SRR10530614	43438629	36515602	887187	84.1	43438629	32643659	791969	75.1
SRR10530615	49797346	41673523	1078969	83.7	49797346	38571662	1005980	77.5
SRR10530616	37751627	30787761	716099	81.6	37751627	27816192	649772	73.7
SRR10530617	49676957	42000435	973824	84.5	49676957	38154048	886072	76.8
SRR10530618	53278996	43003443	957425	80.7	53278996	38655176	860624	72.6
SRR10530619	42598863	35064318	829318	82.3	42598863	31300676	738210	73.5
SRR10530620	44214699	36603890	835941	82.8	44214699	33105399	750207	74.9
SRR10530621	50342961	42481919	1005139	84.4	50342961	39557124	944610	78.6
SRR10530622	52864625	42763866	1086045	80.9	52864625	38355616	963342	72.6
SRR8848023_7	113882522	108082363	11187398	94.9				
SRR8848028_32	133265242	125793468	13740022	94.4				
Total (90)	4156403704	3763648672	362989007	90.6	2820241077	2402259775	201478629	85.2
Total (L+R)	6976644781	6165908447	564467636					
% mapped		88.4	9.2					
	6,987,091,177	6,171,995,144	564,473,257					
	6.99 billion	6.17 billion	0.56 billion					

Note: M.A. - mapped to more than one locus