

Supplementary Table S1. Chromosome location of *SSL* genes in maize, sorghum, *A. tauschii*, rice.

Gene NCBI ID	Gene name	Chromosome location	
XM_008657285.2	<i>ZmSSL1</i>	chr1 57765926	57767063
XM_008657302.2	<i>ZmSSL2</i>	chr1 57839451	57840473
XM_008657311.2	<i>ZmSSL3</i>	chr1 57931853	57933018
NM_001156536.2	<i>ZmSSL4</i>	chr1 283339547	283343836
NM_001148541.1	<i>ZmSSL5</i>	chr2 217816869	217819033
XM_008673664.2	<i>ZmSSL6</i>	chr2 230318018	230319097
NM_001139223.1	<i>ZmSSL7</i>	chr4 192686880	192690390
NM_001157297.1	<i>ZmSSL8</i>	chr7 106494786	106497772
XM_008654423.3	<i>ZmSSL9</i>	chr7 106530695	106547501
XM_008658790.4	<i>ZmSSL10</i>	chr8 172251596	172253051
NM_001157473.1	<i>ZmSSL11</i>	chr8 172317613	172318880
XM_008659695.3	<i>ZmSSL12</i>	chr8 174314286	174315473
XM_008658833.3	<i>ZmSSL13</i>	chr8 174331242	174332515
XM_008658834.2	<i>ZmSSL14</i>	chr8 174358455	174359659
XM_008658837.2	<i>ZmSSL15</i>	chr8 174395363	174396627
XM_008658836.3	<i>ZmSSL16</i>	chr8 174410231	174411557
XM_020542371.1	<i>ZmSSL17</i>	chr8 174430134	174431217
XM_008658839.2	<i>ZmSSL18</i>	chr8 174482109	174483408
XM_008658840.2	<i>ZmSSL19</i>	chr8 174500075	174501305
NM_001324231.1	<i>ZmSSL20</i>	chr9 147078558	147080384
XM_002463826.2	<i>SbSSL1</i>	chr1 6859543	6862526
XM_002467521.2	<i>SbSSL2</i>	chr1 59691570	59693299
XM_002467825.2	<i>SbSSL3</i>	chr1 66394286	66395456
XM_021450900.1	<i>SbSSL4</i>	chr1 70741147	70742951
XM_002460105.2	<i>SbSSL5</i>	chr2 57083619	57085977
XM_002460106.2	<i>SbSSL6</i>	chr2 57098251	57108121
XM_021454025.1	<i>SbSSL7</i>	chr2 73117634	73119617
XM_021454024.1	<i>SbSSL8</i>	chr2 73138055	73140079
XM_002456214.2	<i>SbSSL9</i>	chr3 61486680	61487971
XM_002456598.2	<i>SbSSL10</i>	chr3 67591011	67592753
XM_002456676.2	<i>SbSSL11</i>	chr3 68860446	68861672
XM_002452406.2	<i>SbSSL12</i>	chr4 56536269	56537510
XM_002452874.1	<i>SbSSL13</i>	chr4 65410858	65411898
XM_002452931.2	<i>SbSSL14</i>	chr4 66353384	66354807
XM_002450198.2	<i>SbSSL15</i>	chr5 2609045	2613027
XM_002448917.2	<i>SbSSL16</i>	chr5 2668432	2672828
XM_002443544.2	<i>SbSSL17</i>	chr8 61143309	61144998
XM_021466141.1	<i>SbSSL18</i>	chr8 61167632	61177583
XM_002440687.2	<i>SbSSL19</i>	chr9 7859462	7860031
XM_002438595.2	<i>SbSSL20</i>	chr10 52416523	52418163

XM_002438796.1	<i>SbSSL21</i>	chr10 56908806	56909846
XM_020328930.3	<i>AetSSL1</i>	chr1 299082938	299085192
XM_020311481.1	<i>AetSSL2</i>	chr2 33638849	33639978
XM_020311479.3	<i>AetSSL3</i>	chr2 33676626	33678709
XM_020311480.3	<i>AetSSL4</i>	chr2 33680203	33681635
XM_020332098.1	<i>AetSSL5</i>	chr2 71431862	71432803
XM_020345579.3	<i>AetSSL6</i>	chr2 122004608	122006651
XM_020331117.3	<i>AetSSL7</i>	chr2 122299282	122301235
XM_020321132.3	<i>AetSSL8</i>	chr3 367134471	367135904
XM_020321538.2	<i>AetSSL9</i>	chr3 603545210	603546491
XM_045233917.1	<i>AetSSL10</i>	chr3 604261675	604263216
XM_020322447.3	<i>AetSSL11</i>	chr4 377349425	377351945
XM_020317747.3	<i>AetSSL12</i>	chr5 229164106	229167108
XM_020312210.3	<i>AetSSL13</i>	chr5 314403773	314405607
XM_020312214.3	<i>AetSSL14</i>	chr5 314642224	314645598
XM_020324203.2	<i>AetSSL15</i>	chr5 465855619	465857107
XM_020293478.3	<i>AetSSL16</i>	chr5 473098767	473101358
XM_040394268.2	<i>AetSSL17</i>	chr7 43894988	43896165
XM_020331968.3	<i>AetSSL18</i>	chr7 43960967	43963227
XM_020326298.1	<i>AetSSL19</i>	chr7 44048675	44049175
XM_020326303.1	<i>AetSSL20</i>	chr7 44058399	44059436
XM_020291800.2	<i>AetSSL21</i>	chr7 90228398	90230558
XM_020308049.1	<i>AetSSL22</i>	chr7 90298207	90299253
XM_020304825.3	<i>AetSSL23</i>	chr7 90508588	90510185
XM_020327805.3	<i>AetSSL24</i>	chr7 90612354	90613780
XM_040397558.1	<i>AetSSL25</i>	NW_025487989.1	5 681
XM_020335935.2	<i>AetSSL26</i>	NW_025495645.1	16 762
XM_040397573.1	<i>AetSSL27</i>	NW_025500911.1	7 831
XM_040397578.1	<i>AetSSL28</i>	NW_025504744.1	8 914
XM_040397587.1	<i>AetSSL29</i>	NW_025507561.1	6 921
XM_020292326.2	<i>AetSSL30</i>	NW_025512283.1	660 1049
XM_040397643.1	<i>AetSSL31</i>	NW_025517689.1	5 1356
XM_045232141.1	<i>AetSSL32</i>	NW_025531641.1	8092 12923
XM_020292328.1	<i>AetSSL33</i>	NW_025533088.1	38744 39781
XM_015774752.2	<i>OsSSL1</i>	chr3 8664268	8666379
XM_015777851.1	<i>OsSSL2</i>	chr3 30927228	30929818
XM_015786906.2	<i>OsSSL3</i>	chr6 25080840	25081930
XM_015786907.2	<i>OsSSL4</i>	chr6 25085509	25094294
XM_015790531.2	<i>OsSSL5</i>	chr7 21518901	21520060
XM_026027054.1	<i>OsSSL6</i>	chr7 21558382	21559551
XM_015790533.1	<i>OsSSL7</i>	chr7 21564056	21573587
XM_015789067.2	<i>OsSSL8</i>	chr7 25287500	25290041

XM_015793705.2	<i>OsSSL9</i>	chr8 4370774	4372947
XM_015794103.2	<i>OsSSL10</i>	chr8 21549609	21551813
XM_015755842.2	<i>OsSSL11</i>	chr9 12454357	12460991
XM_015755680.2	<i>OsSSL12</i>	chr9 12466343	12484831
XM_015755936.2	<i>OsSSL13</i>	chr9 12536480	12540746
XM_015757236.2	<i>OsSSL14</i>	chr10 21224291	21226900
XM_015761176.2	<i>OsSSL15</i>	chr11 1986272	1988401
XM_015764132.2	<i>OsSSL16</i>	chr12 1882224	1888271
