

Supplementary table S3. *SHORT INTERNODE/STYLISH (SHI/STY)* gene family and their homologues in legume species such as *Lotus japonicus*, *Medicago truncatula* and *Pisum sativum*.

Gene name	Accession number	Organism	Homology for PsSTY7	References
<i>AtSHI</i>	<i>At5g66350</i>	<i>Arabidopsis thaliana</i>	37.65	Fridborg et al., 2001
<i>AtSTY1</i>	<i>At3g51060</i>	<i>Arabidopsis thaliana</i>	35.25	Kuusk et al., 2002
<i>AtSTY2</i>	<i>At4g36260</i>	<i>Arabidopsis thaliana</i>	38.67	Kuusk et al., 2002
<i>AtSTY7-like</i>	<i>At5g12330</i>	<i>Arabidopsis thaliana</i>	54.05	Kuusk et al., 2006
<i>AtSHI5</i>	<i>At1g75520</i>	<i>Arabidopsis thaliana</i>	33.09	Kuusk et al., 2006
<i>AtSHI7</i>	<i>AT1G19790</i>	<i>Arabidopsis thaliana</i>	33.58	Kim et al., 2010
<i>LjSTY1</i>	<i>Lj6g3v0959410</i>	<i>Lotus japonicus</i>	66.90	Shrestha et al., 2021
<i>LjSTY2</i>	<i>Lj0g3v0059359</i>	<i>Lotus japonicus</i>	38.87	Shrestha et al., 2021
<i>LjSTY3</i>	<i>Lj2g3v1728900</i>	<i>Lotus japonicus</i>	35.80	Shrestha et al., 2021
<i>LjSTY4</i>	<i>Lj3g3v0766120</i>	<i>Lotus japonicus</i>	39.67	Shrestha et al., 2021
<i>LjSTY5</i>	<i>Lj1g3v2140900</i>	<i>Lotus japonicus</i>	38.26	Shrestha et al., 2021
<i>LjSTY6</i>	<i>Lj3g3v3376040</i>	<i>Lotus japonicus</i>	34.67	Shrestha et al., 2021
<i>LjSTY7</i>	<i>Lj2g3v3044220</i>	<i>Lotus japonicus</i>	70.90	Shrestha et al., 2021
<i>LjSTY8</i>	<i>Lj5g3v0155490</i>	<i>Lotus japonicus</i>	34.10	Shrestha et al., 2021
<i>LjSTY9</i>	<i>Lj0g3v0258549</i>	<i>Lotus japonicus</i>	42.56	Shrestha et al., 2021
<i>MtSTY2</i>	<i>MtrunA17Chr8g0372461</i>	<i>Medicago truncatula</i>	37.70	Shrestha et al., 2021
<i>MtSTY3</i>	<i>MtrunA17Chr5g0404781</i>	<i>Medicago truncatula</i>	33.73	Shrestha et al., 2021
<i>MtSTY4</i>	<i>MtrunA17Chr3g0082511</i>	<i>Medicago truncatula</i>	43.40	Shrestha et al., 2021
<i>MtSTY5</i>	<i>MtrunA17Chr3g0142171</i>	<i>Medicago truncatula</i>	35.27	Shrestha et al., 2021
<i>MtSTY6</i>	<i>MtrunA17Chr4g0035591</i>	<i>Medicago truncatula</i>	34.32	Shrestha et al., 2021
<i>MtSTY7</i>	<i>MtrunA17Chr5g0441921</i>	<i>Medicago truncatula</i>	88.86	Shrestha et al., 2021
<i>MtSTY8</i>	<i>MtrunA17Chr1g0155791</i>	<i>Medicago truncatula</i>	33.58	Shrestha et al., 2021
<i>MtSTY9</i>	<i>MtrunA17Chr8g0353111</i>	<i>Medicago truncatula</i>	40.96	Shrestha et al., 2021
<i>PvSTY2</i>	<i>Phavu_003G258100g</i>	<i>Phaseolus vulgaris</i>	37.97	-
<i>PvSTY3</i>	<i>Phavu_002G166700g</i>	<i>Phaseolus vulgaris</i>	36.61	-
<i>PvSTY4</i>	<i>Phavu_005G026300g</i>	<i>Phaseolus vulgaris</i>	41.28	-
<i>PvSTY5</i>	<i>Phavu_009G0137001g</i>	<i>Phaseolus vulgaris</i>	33.74	-
<i>PvSTY7</i>	<i>Phavu_008G200700g</i>	<i>Phaseolus vulgaris</i>	72.98	-
<i>PvSTY8</i>	<i>Phavu_001G009800g</i>	<i>Phaseolus vulgaris</i>	33.21	-

<i>Pv</i> STY9	Phavu_011G206400g		39.72	
<i>Ps</i> STY2	Psat4g096720.1	<i>Pisum sativum</i>	37.35	-
<i>Ps</i> STY4	Psat5g222400.1	<i>Pisum sativum</i>	43.00	-
<i>Ps</i> STY5	Psat5g014640.1	<i>Pisum sativum</i>	32.79	-
<i>Ps</i> STY7	Psat0s133g0120.1	<i>Pisum sativum</i>	-	Rudaia et al., 2021
<i>Ps</i> STY8	Psat6g005600.1	<i>Pisum sativum</i>	31.01	-
<i>Ps</i> STY9	Psat4g191720.1	<i>Pisum sativum</i>	40.62	-