

**Additional file 3.** Fabaceae *T2-RNases* available in GenBank, not presenting in their amino acid sequence amino acid pattern 4 [26]

Gene name	Gene code	PI	Motif 1	Motif 2	Motif 4
<i>Lotus corniculatus</i>					
511246152	<i>Lc1</i>	5.54	FTIHGLWPD <u>Y</u>	WPS <u>L</u> SCG	
511259292	<i>Lc2</i>	8.66	FTIHGLWPST	<u>Q</u> PN <u>W</u> C <u>Q</u> P	-
511259293	<i>Lc3</i>	8.78	FTIHGLWPST	WPD <u>M</u> IKPT	-
511256017	<i>Lc4</i>	9.36	FTIHGLWPGN	WPN <u>M</u> L <u>K</u> A	-
<i>L. japonicus</i>					
292789702 (AK339271)	<i>Lj1</i>	9.78	<u>L</u> VIHGLWPSN	WPE <u>M</u> L <u>P</u> P	-
BT148442	<i>Lj2</i>	7.55	FTIHGLWPGN	WPN <u>M</u> LAT	-
388505137 BT140840	<i>Lj3</i>	6.79	FTIHGLWPGN	WPN <u>M</u> LAA	-
CN825207 (AFK37221)	<i>Lj4</i>	6.34	FTIHGLWPGN	WPN <u>M</u> LAA	-
<i>Arachis hypogaea</i>					
298122009	<i>Ah1</i>	5.14	FTIHGLW <u>T</u> D <u>Y</u>	WPS <u>Y</u> SC <u>S</u>	-
372398525	<i>Ah2</i>	6.24	FTIHGLW <u>P</u> T <u>N</u>	WPS <u>L</u> Q <u>P</u> G	-
<i>Pisum sativum</i>					
332432295	<i>Ps1</i>	5.94	F <u>V</u> IHGLWPSK	WP <u>A</u> L <u>F</u> EN	-
332444566	<i>Ps2</i>	8.82	FTIHGLWPSK	WP <u>A</u> L <u>F</u> KK	-
<i>Cajanus cajan</i>					
297438042	<i>Ccajan</i>	8.59	FTI <u>Y</u> Y <u>L</u> R <u>P</u> R <u>K</u>	WPD <u>L</u> R <u>T</u> D	
<i>Lens culinaris</i>					

331110541	<i>Lens1</i>	6.16	FTIHGLWPD <u>Y</u>	WPS <u>L</u> SC <u>G</u>	<u>S</u> PSS <u>C</u> S
<i>Cyamopsis tetragonoloba</i>					
EG990835	<i>Ct1</i>	8,86	FTIHGLWPA <u>N</u>	WPNLKGT	-
<i>Medicago sativa</i>					
335964967	<i>Ns1</i>	5.69	FTIHGLWPD <u>Y</u>	WPS <u>L</u> SC <u>G</u>	<u>S</u> PSS <u>C</u> S

---

Underscored are amino acids that are not allowed in the motifs of [26]