

Table 1 Suppl. Primers used in the reverse transcription quantitative PCR.

Name	Gene ID	Forward primer (5'-3')	Reverse primer (5'-3')
<i>LiARF5</i>	c121222_g2	AGACATCATCGCTCGCTTAC	CTTCTCTGAGCTAGACCGAAAC
<i>LiARF7</i>	c118475_g1	TCTGCAGTATGGTGAGGAAGA	GGAGCTAGAGAGTTGCCTAAGA
<i>LiARF9</i>	c121593_g1	CGAGATCGACATTCTGGTATCC	GTGCCAAACACCACCTGTATC
<i>LiARF11</i>	c121408_g1	GCCAAGGACTAGCCAATTCA	GGGACATCTTCTCCCTCAAATC
<i>LiARF12</i>	c119524_g1	CAGCCGTTGAGATCAGAAGAA	CTCGCCGTGAGCATCTTAAA
<i>LiARF15</i>	c116283_g2	CGGTTTAAGCTCTGCTCTCATA	TCCTCTTCCTCCTCCTCAATAG
<i>LiARF16</i>	c120657_g1	TCTCGATGCCTCTCGGATTA	GGATAACTGGGCGTTTGGTAT
<i>LiARF17</i>	c115673_g1	GGCAAGGGTGAGTTGGAATA	CAATCACCGTCCCCTACTGAA
<i>LiARF18</i>	c120313_g1	TTGGGAGCACTTCACAATCC	GAATGTTGGTCCAGCGGTATAA
<i>LiARF20</i>	c104125_g1	GCTGGAGCAAGTTTGTCAATAG	CCTCGACATCGGAGTAACATAAG
<i>LiARF21</i>	c120787_g1	GGAGCCAGGCATACTCAATAC	GGTGGGTCAAGACGATGAAA
<i>LiARF22</i>	c116873_g1	CAGACGGATCGCTACAACAA	GAAGAGGGAGTTGTTCTTTCA
<i>LiYUC2</i>	c110941_g1	CTGAAGACTTTCGGATGTACCC	TCTCTACCGCCGCATTAAAC
<i>LiYUC4</i>	c96298_g2	GGGATGGAAGGAGAGAATGG	AGGAGGATGTCTTGGGAGAT
<i>LiYUC5</i>	c102450_g1	CGGGACTCTGAGCAAGATTAAG	CTAGTATGCTGCCATCGATCAG
<i>LiYUC6</i>	c103505_g1	TGGAAGCTGAGGACCTATGA	GTCGATGAACCTGCTGCTTAGT
<i>LiYUC9</i>	c111111_g1	AGGCCGAGATGGAGTATATCA	ATTCTCTCGCCACCAAACCTC
<i>LiYUC10</i>	c114455_g1	TCAGCAGATTTCGACGATGAG	CACCAGAAACCTCGCAGTAT

Table 2 Suppl. Information on *Lilium* spp. AUXIN RESPONSE FACTOR (*LiARF*) and *Lilium* spp. indole-3-pyruvate monooxygenase YUCCA (*LiYUC*) proteins.

Name of gene	Serial number	Amino acids	Molecular mass [D]	Isoelectric point	Phosphorylation site	GRAVY	Instability index
<i>LiARF5</i>	MH345712	1009	112309.86	5.20	205	-0.452	58.45
<i>LiARF7</i>	MH345706	628	70168.99	6.34	114	-0.552	61.97
<i>LiARF9</i>	MH345710	682	77408.78	6.09	112	-0.594	54.03
<i>LiARF11</i>	MH345707	691	77568.74	6.44	130	-0.512	53.28
<i>LiARF12</i>	MH345709	782	87817.67	5.65	140	-0.443	62.92
<i>LiARF15</i>	MH345713	656	72448.78	6.88	114	-0.475	54.80
<i>LiARF16</i>	MH345714	330	36346.01	6.05	64	-0.782	64.29
<i>LiARF17</i>	MH345708	383	43280.80	6.32	63	-0.098	45.56
<i>LiARF18</i>	MH345715	527	57987.63	8.43	92	-0.394	50.62
<i>LiARF20</i>	MH345711	250	27142.88	9.74	40	-0.305	63.50
<i>LiARF21</i>	MH345716	690	75366.16	6.27	109	-0.358	48.23
<i>LiARF22</i>	MH345717	535	59791.24	4.95	108	-0.639	61.97
<i>LiYUC2</i>	MK813881	411	45521.58	6.43	52	-0.100	39.90
<i>LiYUC4</i>	MK813882	390	42529.24	8.68	57	-0.004	43.90
<i>LiYUC6</i>	MK813881	429	48347.92	8.74	61	-0.179	38.50
<i>LiYUC5</i>	MK813881	251	27854.23	8.97	39	-0.149	35.16
<i>LiYUC9</i>	MK813881	354	39453.74	6.61	42	-0.036	39.25
<i>LiYUC10</i>	MK813881	310	34916.23	5.93	50	-0.002	38.08

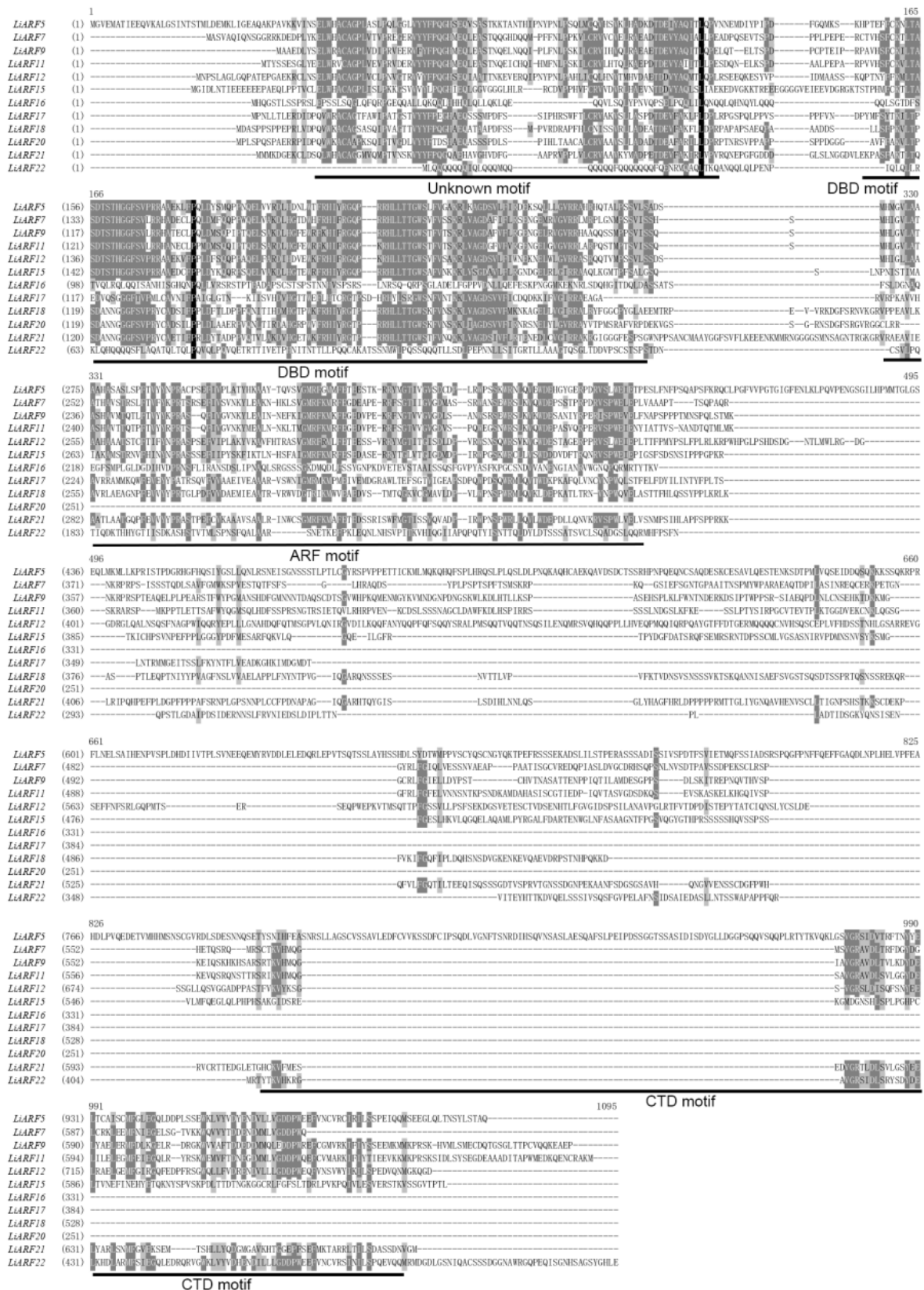


Fig. 1 Suppl. The multiple sequence alignment of *Lilium* spp. AUXIN RESPONSE FACTOR (*LiARF*) proteins.

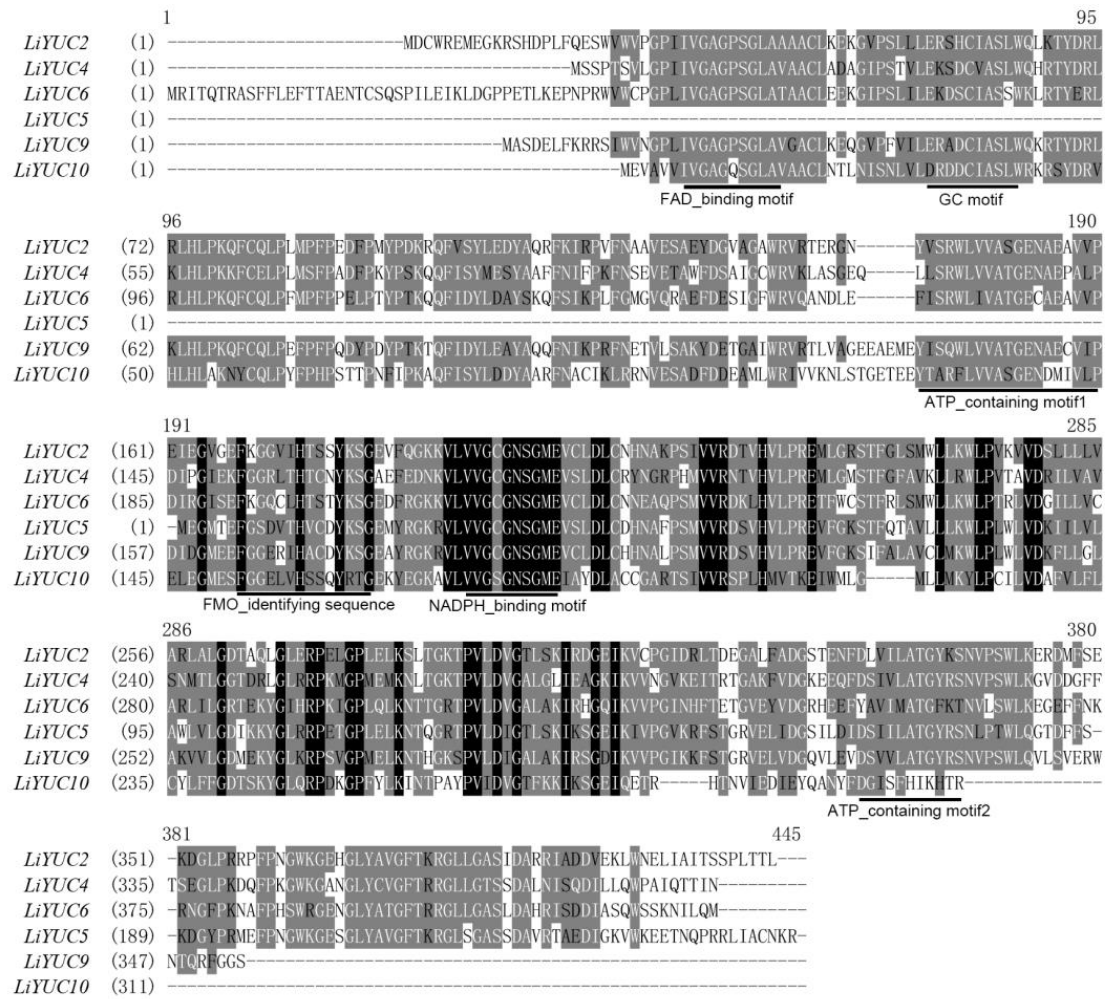


Fig. 2 Suppl. The multiple sequence alignment of *Lilium* spp. indole-3-pyruvate monooxygenase YUCCA (*LiYUC*) proteins.

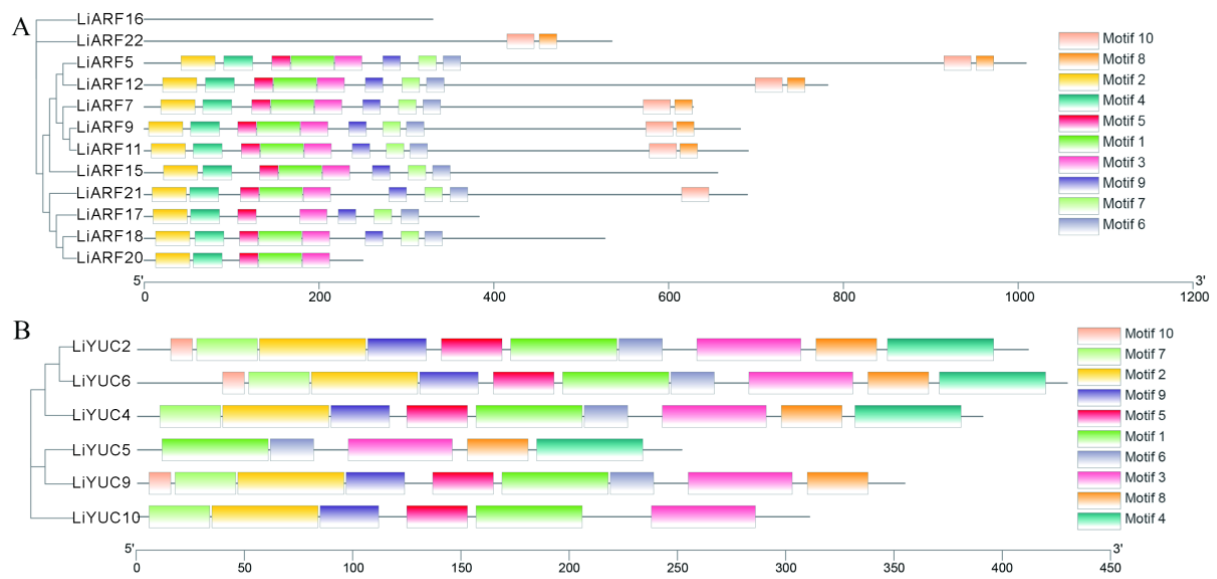


Fig. 3 Suppl. A - The structure analysis of *Lilium* spp. *AUXIN RESPONSE FACTOR* (*LiARF*) genes according to the phylogenetic relationship performed with the *MEME* 4.11.2 online program. B - Structure analysis of *Lilium* spp. *indole-3-pyruvate monooxygenase YUCCA* (*LiYUC*) genes according to the phylogenetic relationship performed with the *MEME* 4.11.2.