

Supplementary Table S6. The similarity of rice diurnal floret opening time against different plant species.

Plant species	Query cover (%)	Similarity (%)	Accession	Classification
<i>Oryza sativa Japonica</i>	100	100.00	BAF05463.2	monocots
<i>Oryza brachyantha</i>	99	95.16	XP_040381809.1	monocots
<i>Oryza meyeriana</i> var. <i>granulata</i>	100	94.64	KAF0898604.1	monocots
<i>Oryza sativa Indica</i>	100	94.37	EAY74932.1	monocots
<i>Setaria italica</i>	93	92.02	XP_004969140.1	monocots
<i>Zizania palustris</i>	94	92.02	KAG8051377.1	monocots
<i>Miscanthus floridulus</i>	93	92.00	XP_066306475.1	monocots
<i>Setaria viridis</i>	93	91.74	XP_034596145.1	monocots
<i>Miscanthus lutarioriparius</i>	93	91.71	CAD6237884.1	monocots
<i>Dichanthelium oligosanthes</i>	93	91.09	OEL17556.1	monocots
<i>Panicum hallii</i>	94	90.91	XP_025816901.1	monocots
<i>Panicum hallii</i> var. <i>hallii</i>	93	90.88	PUZ55868.1	monocots
<i>Panicum miliaceum</i>	93	90.88	RLM93513.1	monocots
<i>Phragmites australis</i>	93	90.86	XP_062214886.1	monocots
<i>Panicum virgatum</i>	93	90.62	XP_039809663.1	monocots
<i>Sorghum bicolor</i>	93	90.31	XP_002455939.2	monocots
<i>Urochloa decumbens</i>	94	90.14	CAL4948775.1	monocots
<i>Eleusine coracana</i> subsp. <i>coracana</i>	93	89.20	KAK3164754.1	monocots
<i>Lolium perenne</i>	93	89.14	XP_051224888.1	monocots
<i>Lolium rigidum</i>	93	89.14	XP_047054748.1	monocots
<i>Zea mays</i>	93	88.10	NP_001145978.1	monocots
<i>Digitaria exilis</i>	100	87.73	KAF8676055.1	monocots
<i>Paspalum notatum</i> var. <i>saurae</i>	93	87.08	WVZ69733.1	monocots
<i>Paspalum vaginatum</i>	100	86.93	KAJ1284272.1	monocots
<i>Triticum aestivum</i>	80	86.29	XBI03014.1	monocots
<i>Triticum dicoccoides</i>	93	86.29	XP_037458061.1	monocots
<i>Triticum turgidum</i> subsp. <i>durum</i>	93	86.29	VAI91739.1	monocots
<i>Aegilops tauschii</i> subsp. <i>strangulata</i>	93	86.00	XP_020183284.1	monocots
<i>Hordeum vulgare</i>	93	86.00	KAE8768899.1	monocots
<i>Brachypodium distachyon</i>	98	85.25	XP_003569339.1	monocots
<i>Hordeum vulgare</i> subsp. <i>vulgare</i>	99	84.37	XP_044960271.1	monocots
<i>Triticum urartu</i>	93	78.67	EMS58461.1	monocots
<i>Vanilla planifolia</i>	95	73.52	KAG0459769.1	monocots
<i>Ananas comosus</i>	95	72.35	XP_020105316.1	monocots
<i>Dioscorea alata</i>	92	71.88	KAH7686632.1	monocots
<i>Phoenix dactylifera</i>	92	71.68	XP_008775036.1	monocots
<i>Cinnamomum micranthum</i> f. <i>kanehirae</i>	92	71.59	RWR72385.1	flowering plants
<i>Musa troglodytarum</i>	97	71.35	URD75846.1	monocots
<i>Musa balbisiana</i>	94	71.23	THU63617.1	monocots
<i>Ananas comosus</i> var. <i>bracteatus</i>	97	71.08	CAD1823996.1	monocots

<i>Musa acuminata</i> AAA	95	70.95	XP_009401767.2	monocots
<i>Rhynchospora tenuis</i>	97	70.88	KAJ3704182.1	monocots
<i>Rhynchospora breviuscula</i>	99	70.70	KAJ1688192.1	monocots
<i>Rhynchospora pubera</i>	99	70.70	KAJ4768633.1	monocots
<i>Ensete ventricosum</i>	95	70.42	KAJ8465547.1	monocots
<i>Musa acuminata</i> subsp. <i>malaccensis</i>	95	70.39	CAG1858892.1	monocots
<i>Oryza glaberrima</i>	98	70.30	XP_052153316.1	monocots
<i>Dioscorea zingiberensis</i>	97	70.25	KAJ0971255.1	monocots
<i>Asparagus officinalis</i>	97	70.14	XP_020277356.1	monocots
<i>Camellia sinensis</i>	97	70.14	CAL5435304.1	eudicots
<i>Camellia sinensis</i> var. <i>sinensis</i>	97	70.14	GMQ03195.1	eudicots
<i>Carex littledalei</i>	96	69.92	KAF3334939.1	monocots
<i>Camellia lanceoleosa</i>	97	69.86	KAI7987792.1	eudicots
<i>Dioscorea cayenensis</i> subsp. <i>rotundata</i>	97	69.23	XP_039122886.1	monocots
<i>Zingiber officinale</i>	98	69.13	XP_042452914.1	monocots
<i>Vitis quinquangularis</i>	97	69.04	AMB38759.1	eudicots
<i>Vitis vinifera</i>	97	69.04	XP_002284962.1	eudicots
<i>Juglans regia</i>	97	68.31	XP_018834786.2	eudicots
<i>Gossypium hirsutum</i> L.	94	66.67	Gohir.A07G038200	dicots
<i>Brassica Napus</i> L.	98	65.00	BnaA02g01000D	dicots
<i>Medicago truncatula</i>	94	64.83	Medtr1g011800	dicots
<i>Arabidopsis thaliana</i> L.	97	64.48	AT5G11420	dicots
<i>Glycine max</i> L.	97	62.57	Glyma17g31330	dicots
<i>Phaseolus vulgaris</i> L.	100	62.02	Pv5-593.01G053400	dicots
<i>Cicer arietinum</i> Linn.	100	61.48	Ca_10918	dicots
<i>Vigna unguiculata</i> L.	97	61.20	Vigun08g057100	dicots

The amino acid sequences of rice DFOT (Os01g0611000/LOC Os01g42520, NO.1 in Table S6) was used for protein BLAST, with the highest similarity in the same plant species were listed.