

Sequence ID	Start	Alignment	End	Organism
XAT-7Hch (290)	(+) 1	SLVDVGNNNYIFTVAKANFPYPYGRDFKDHVATGRFCNCKLLIDFIAEKIGFNSSPPAYLSPQASGRDLLLGFANFASATSGYNDHGTL	352	
KAE8776963.1	(+) 1I.....G.....V.....WN	352	<i>Hordeum vulgare</i>
KAF7045707.1	(+) 1I.....G V.....V G.....QN.....A.....	351	<i>Triticum aestivum</i>
XP_020178203.1	(+) 1I.....G.....V G L.....E QN.....A.....	351	<i>Aegilops tauschii</i> subsp. ...
CAB3466997.1	(+) 23	S.....D LH II.....AN.....G AT IT DTL TTY A.....QN I.....G Y TA	356	<i>Digitaria exilis</i>
CAD6340261.1	(+) 14	T.....D LH II.....AN.....G AT IT DTL TTY A.....QN I.....G Y TA	360	<i>Miscanthus lutarioriparius</i>
XP_002436473.1	(+) 15	T.....D LH IL.....AN.....G AT IT DTL TTY A.....QN I.....G Y TA	359	<i>Sorghum bicolor</i>
XP_025812097.1	(+) 23	S.....D LH II.....AN.....G AT IT DTL TTY A.....QN I.....G Y TA	356	<i>Panicum hallii</i>
KAF0910786.1	(+) 17	S.....D LH II.....NQ.....G AT IT TL E YA.....E KN I.....G Y TA	345	<i>Oryza meyeriana</i> var. gr...
XP_015642056.1	(+) 17	S.....D LK II.....NQ P.....G AT IT TL E YA.....D KN I.....G Y TA	345	<i>Oryza sativa Japonica</i> G...
XP_006655787.1	(+) 17	S.....D LH II.....NGA.....G AT IT TL E YA.....E KN I.....G Y TA	345	<i>Oryza brachyantha</i>
XP_004964566.1	(+) 23	S.....D LH II.....AN.....G AT IT DTL TTY A.....QN I.....G Y TA	351	<i>Setaria italica</i>
OEL34345.1	(+) 19	S.....D LH II.....QN.....G AT IT DTL TTY A.....QN I.....G Y TA	345	<i>Dichanthelium oligosant...</i>
XP_003557194.1	(+) 19	S.....D LH LI D.....QGR.....G AT IT DTL T Y.....E QN I.....G Y TA	346	<i>Brachypodium distachyon</i>
AQK97696.1	(+) 27	S.....D LH II.....AN.....G AT IT DTL TTY A.....QN I.....G Y TA	356	<i>Zea mays</i>
XP_008793255.1	(+) 33	T.....D H AF C.....VN Q.....G AT IT NTL T Y.....KN M V.....A Y ETAY	352	<i>Phoenix dactylifera</i>
XP_020585086.1	(+) 36	T.....D H IF D.....N E.....G AT IT TL TTY A.....KN I.....A Y TAI	355	<i>Phalaenopsis equestris</i>
PKA59004.1	(+) 45	T.....LP F D.....N QP.....G AT I TL TNF.....KN I.....A Y NAI	366	<i>Apostasia shenzhenica</i>
XP_020690263.1	(+) 13	T.....D LH IF D.....N E.....G AT IT TL TTF V.....KN I.....A Y TAI	362	<i>Dendrobium catenatum</i>
XP_009388555.1	(+) 33	T.....D LK FR D.....N EP.....G AT LT DTL TTY.....KN I.....G I DETSY	352	<i>Musa acuminata</i> subsp....
RWR77627.1	(+) 32	A.....LP I D.....VT KP.....G AT IT TL TTF.....KN I V.....G Y KTA	348	<i>Cinnamomum micranth...</i>
XP_010267093.1	(+) 1	A.....D LA IF DY.....VN E.....G AT IT TL STY.....K KN I.....G D KTS	346	<i>Nelumbo nucifera</i>
XP_020251263.1	(+) 20	S.....D T FF D.....NKQP.....G AT IT TL T Y.....KN I.....G Y TAI	344	<i>Asparagus officinalis</i>
XP_002527431.1	(+) 32	V A.....HLY IV.....AN KS.....G AS T N T Y.....KE E TN I.....GA I DSTAK	351	<i>Ricinus communis</i>
XP_012076167.1	(+) 18	VI A.....HLY IV.....IN KP.....G AS T N T Y.....KE H TN I.....A I DTTAK	343	<i>Jatropha curcas</i>
KAF6134324.1	(+) 27	V.....GLY V.....VS SP.....G AT T NL STY K.....N E K KN I.....S S TAN	354	<i>Kingdonia uniflora</i>
XP_002271400.1	(+) 18	A A.....HLD IV.....IS KP.....G AS T N T Y.....KE K NN I.....A I HTTAK	345	<i>Vitis vinifera</i>
XP_031487707.1	(+) 5	A.....HLY LVR.....VT SP.....G VT T SL A Y.....G KNI I.....S I ERTAA	331	<i>Nymphaea colorata</i>
KAF3341550.1	(+) 11	S.....D LH IF.....NR.....G AT IT SL TTY.....KN I.....A F GTA	326	<i>Carex littledalei</i>
PON81083.1	(+) 22	V.....RT LF Y.....IN Q.....G AT LT TL KTY.....E KN I.....A DEKAAI	351	<i>Trema orientale</i>
XP_018811100.1	(+) 34	A.....LP IF Y.....VN QP.....G AT IT TL KTY.....KN I T.....A DENAAM	351	<i>Juglans regia</i>
KAF5192451.1	(+) 24	V.....NLY IV.....V KPS.....G AT TG N T Y.....L R KR MT T.....GS FY RAQ	343	<i>Thalictrum thalictroides</i>
GFZ08086.1	(+) 19	A.....D LP IF Y.....TN KP.....G AT IT TL TTY.....KN I.....A FD KPAI	344	<i>Actinidia rufa</i>
KAF5185264.1	(+) 18	V.....Q Y LVR.....VT SP.....G AT T NL TTY.....SE R KN I.....GA I ENTAS	343	<i>Thalictrum thalictroides</i>
PIN17096.1	(+) 26	V.....D H IF Y.....NQE.....G AT IT TL TTY.....T KN.....GA D TS	343	<i>Handroanthus impetigin...</i>
OVA17898.1	(+) 26	V.....QLY LV.....VS SP.....G AT T NL T Y.....E K KN T S.....A Y RAQ	342	<i>Macleaya cordata</i>
XP_010925408.1	(+) 40	T.....D H IF Y.....VN Q.....G AT IT NTL T Y.....NN M V.....A Y GTAY	359	<i>Elaeis guineensis</i>
XP_023884990.1	(+) 7	V.....NLY LV.....VN SP.....G AT T FL T Y.....QE T KN T.....S Y SAQ	344	<i>Quercus suber</i>
OVA14459.1	(+) 38	A I.....D LP IF D.....ANRKP.....G AT IT TL KTY.....KN I.....A Y KANS	357	<i>Macleaya cordata</i>
OWM73711.1	(+) 26	V A.....GLL IV.....VN KP.....G TAA T N T Y.....KK RRNN I.....A Y AAK	347	<i>Punica granatum</i>
XP_015873524.2	(+) 35	V.....NLY IV L.....PN KPS.....G AS T NL T Y P.....SK K K I.....A Y SAK	355	<i>Ziziphus jujuba</i>
PIA43488.1	(+) 25	V.....NLY IVR.....V KP.....G AT TG N T Y.....L R KR T T.....GS FY RAQ	344	<i>Aquilegia coerulea</i>
XP_010690130.1	(+) 26	T.....D VA LF DY.....AN KP.....G AT IT DTL T Y.....QN I.....A D KTA	354	<i>Beta vulgaris</i> subsp. vul...
KAF7814207.1	(+) 33	A.....LP LF Y.....VN QP.....G AT IT TL K YA.....KN I.....A DEKAAM	363	<i>Senna tora</i>
XP_020097905.1	(+) 13	S.....D LH IF C.....N.....G AT IT TL T YA.....KN I.....A I TAN	357	<i>Ananas comosus</i>
KZV39011.1	(+) 7	V.....D VH IF Y.....N E.....G AT IT NL T Y.....T KS I.....GA D RTS	324	<i>Dorococeras hygrometric...</i>
PON54498.1	(+) 22	V.....RT LF Y.....IN Q.....G AT LT TL KTY S.....SE KN I.....A DEKAAI	351	<i>Parasponia andersonii</i>
PSR89900.1	(+) 23	V A.....NLY IV.....IQ KS.....G AS T N T Y.....KS KN I.....GA YEAAK	342	<i>Actinidia chinensis</i> var. ...
KAF3774747.1	(+) 26	A.....HLY LVR.....VT SP.....G VT T SL A Y.....G KN I.....S I ERTAA	331	<i>Nymphaea thermarum</i>
XP_007015991.1	(+) 28	V A.....NLY II.....VN KP.....G AS T N T Y.....K E KN I.....S Y ETAK	347	<i>Theobroma cacao</i>
KAF3943444.1	(+) 55	V.....NLY LV.....VN SP.....G AT T FL T Y.....QE T KN MT.....S Y SAQ	375	<i>Castanea mollissima</i>
XP_030926394.1	(+) 24	V.....NLY LV.....VNQSP.....G AT T FL T Y.....QE T KN T.....S Y SAQ	344	<i>Quercus lobata</i>
PKU82394.1	(+) 13	T.....D LH IF D.....N E.....G AT IT TL TTF V.....KN I.....A Y I	347	<i>Dendrobium catenatum</i>
XP_015938449.1	(+) 30	V.....D LP IF Y.....VN Q.....G AT IT TL K YA.....E KN I.....A DENAAI	347	<i>Arachis duranensis</i>
GAV75932.1	(+) 24	V.....LV LF Y.....PGRK.....G AT IT FL TTY.....KN I.....A D NAT	344	<i>Cephalotus follicularis</i>
KAF8393468.1	(+) 36	A.....LL LF DY.....VN QP.....G AT IT TL TTY.....S KN I.....A Y KTA	351	<i>Tetracentron sinense</i>
XP_010504217.1	(+) 1	V.....LP IFR DY.....AN KP.....G AT IT TL TKY.....E KN I.....A D KAA	347	<i>Camelina sativa</i>
XP_011072453.1	(+) 25	V.....D H IF Y.....NQE.....G AT IT NL T Y.....KN S.....GA DE TS	342	<i>Sesamum indicum</i>
XP_021662537.1	(+) 24	V A.....HLY IV.....IN QP.....G AS T N T Y.....KE Q TN I.....GA FY TAK	343	<i>Hevea brasiliensis</i>