

	1
B.distachyon-v3.2_Bradi1g55300.2.p	ARLMIVSDLD HTMVDPHDEE NLSLLR --FG ALWESLYCDD SLLVSTGRS PTLYKEIRKE KPMLTPDITI MSVGEITYG
B.distachyon-v3.2_Bradi2g36350.6.p	ARLMIVSDLD OTMVDPHCDPE NSALLR --FE ALWESEYSOD SLLVSTGRS PVSYRGIRKE KPMLTPDITI MSVGTVIAYG
B.hybridum-v1.1_Brahy.D01G0746500.1.p	ARLMIVSDLD HTMVDPHDEE NLSLLR --FG ALWESLYCDD SLLVSTGRS PTLYKEIRKE KPMLTPDITI MSVGEITYG
B.hybridum-v1.1_Brahy.D02G0478800.1.p	ARLMIVSDLD OTMVDPHCDPE NSALLR --FE ALWESEYSOD SLLVSTGRS PVSYRGIRKE KPMLTPDITI MSVGTVIAYG
B.hybridum-v1.1_Brahy.S06G0207800.1.p	ARLMIVSDLD HTMVDPHDEE NLSLLR --FG ALWESVYCOD SLLVSTGRS PTLYKEIRKE KPMLTPDITI MSVGEITYG
B.hybridum-v1.1_Brahy.S08G0229700.1.p	ARLMIVSDLD OTMVDPHCDPE NSALLR --FD VLWSEYSOD SLLVSTGRS PVSYRGIRKE KPMLTPDIAI MSVGTVIAYG
B.stacei-v1.1_Brast06G189100.1.p	ARLMIVSDLD HTMVDPHDEE NLSLLR --FG ALWESVYCOD SLLVSTGRS PTLYKEIRKE KPMLTPDITI MSVGEITYG
B.stacei-v1.1_Brast08G210900.1.p	ARLMIVSDLD OTMVDPHCDPE NSALLR --FD VLWSEYSOD SLLVSTGRS PVSYRGIRKE KPMLTPDIAI MSVGTVIAYG
B.sylvaticum-v1.1_Brasy6G197100.1.p	ARLMIVSDLD HTMVDPHDEE NLSLLR --FG ALWESLYCDD SLLVSTGRS PTLYKEIRKE KPMLTPDITI MSVGEITYG
B.sylvaticum-v1.1_Brasy8G226900.1.p	ARLMIVSDLD OTLVDPHCDPE NSALLR --FE ALWESEYSOD SLLVSTGRS PVSYRGIRKE KPMLTPDITI MSVGTVIAYG
E.coracana-v1.1_ELECO.r07.1AG0017250.1	ARLMIVSDLD HTMVDPHDEE NLSLLR --FG SLWESVYCOD SLLVSTGRS PTLYKEIRKE KPMLTPDITI MSVGEITYG
E.coracana-v1.1_ELECO.r07.1BG0066280.1	ARLMIVSDLD OTMVDPHCDPE NLSLLR --FG ALWESVYCOD SLLVSTGRS PTLYKEIRKE KPMLTPDITI MSVGEITYG
E.coracana-v1.1_ELECO.r07.5AG0405240.1	ARLMIVSDLD OTMVDPHCDPE NLSLLR --FG ALWESVYCOD SLLVSTGRS PTLYKEIRKE KPMLTPDITI MSVGTVIAYG
E.coracana-v1.1_ELECO.r07.5BG0453340.1	ARLMIVSDLD OTMVDPHCDPE NLSLLS --FG ALWKAESYOD SLLVSTGRS PVSYKRLRKE KPMLTPDITI MSVGTVIAYG
H.vulgare-r1_HORVU1Hr1G019500.3	ARLMIVSDLD OTMVDPHSDPE SSAMLR --FE ALWESEYSOD SLLVSTGRS PVSYKGRIRK KPMLTPDITI MSVGTVIAYG
H.vulgare-r1_HORVU5Hr1G009580.1	ARLMIVSDLD HTMVDPHDEE NLSLLR --FG ALWESVYCOD SLLVSTGRS PTLYKEIRKE KPMLTPDITI MSVGEITYG
M.sinensis-v7.1_Misin07G375700.1.p	ARLMIVSDLD HTMVDPHDEE NLSLLR --FG ALWESVYCOD SLLVSTGRS PTLYKEIRKE KPMLTPDITI MSVGEITYG
M.sinensis-v7.1_Misin16G055500.1.p_S6PP.1	ARLVLYSDLD OTMIDHDDRE NLSLLR --FE ALWEAEFSOD SLLVSTGRS PTLYKEIRKE KPMLTPDITI MSVGTVIAYG
M.sinensis-v7.1_Misin16G055600.1.p_S6PP.2	ARLMIVSNLD OTMVDPHDDPE DLSLLR --FE ALWEAEFAHD SLLIFSTGRS PTISYSDIRKN KPMLTPDITI MSVGTVIAYG
M.sinensis-v7.1_Misin17G051300.1.p_S6PP.2	ARLMIVSDLD OTMVDPHDDPE DLSLLR --FE ALWEAEFSHD SLLIFSTGRS PTLYKEIRKE KPMLTPDITI MSVGTVIAYG
M.sinensis-v7.1_Misin17G051400.1.p_S6PP.1	ARLVLYSDLD OTMIDHDDRE NLSLLR --FE ALWEAEFSOD SLLVSTGRS PTLYKEIRKE KPMLTPDITI MSVGTVIAYG
O.sativaKitaake-v3.1_OsKitaake01G172900.1.p	ARLTIIVSDLD HTMVDPHDEE NLSLLR --FG ALWESVYCOD SLLVSTGRS PTLYKEIRKE KPMLTPDITI MSVGEITYG
O.sativaKitaake-v3.1_OsKitaake02G035100.1.p	ARLMIVSDLD OTMVDPHDDPE NLSLLR --FG ALWESVYCOD SLLVSTGRS PTLYKEIRKE KPMLTPDITI MSVGEITYG
O.sativaKitaake-v3.1_OsKitaake05G032900.1.p	ARLMIVSDLD OTMIDHNDPK NLSLLR --FG ALWESEFSOD SLLVSTGRS PTLYKEIRKE KPMLTPDITI MSVGTVIAYG
O.sativa-v7.0_LOC_0501G27880.1	ARLTIIVSDLD HTMVDPHDEE NLSLLR --FG ALWESVYCOD SLLVSTGRS PTLYKEIRKE KPMLTPDITI MSVGEITYG
O.sativa-v7.0_LOC_0502G05030.1	ARLMIVSDLD OTMVDPHDDPE NLSLLR --FG ALWESVYCOD SLLVSTGRS PTLYKEIRKE KPMLTPDITI MSVGEITYG
O.sativa-v7.0_LOC_0505G05270.1	ARLMIVSDLD OTMIDHNDPK NLSLLR --FG ALWESEFSOD SLLVSTGRS PTLYKEIRKE KPMLTPDITI MSVGTVIAYG
O.thomaeum-v1.0_Oropetium_20150105_15513A	ARLMIVSDLD HTMVDPHDEE NOSLLS --FG ALWEAEFSOD SLLIFSTGRS PVSYKGRIRK KPMLTPDITI MSVGTIAY-
O.thomaeum-v1.0_Oropetium_20150105_22356A	ARLMIVSDLD HTMVDPHDEE NLSLLR --FG ALWESVYCOD SLLVSTGRS PTLYKEIRKE KPMLTPDITI MSVGEITYG
P.halliiHAL-v2.1_PHAL.3G110000.1.p_S6PP.1	ARLVLYSDLD OTMIDHDDRE NLSLLR --FE ALWEAEFSRD SLLVSTGRS PTLYKEIRKE KPMLTPDITI MSVGTVIAYG
P.halliiHAL-v2.1_PHAL.3G110100.1.p_S6PP.2	ARLMIVSDLD OTMVDPHDDPE DLSLLR --FG ALWEAEFAHD SLLIFSTGRS PTLYKEIRKE KPMLTPDITI MSVGTVIAYG
P.halliiHAL-v2.1_PHAL.5G367300.1.p	ARLMIVSDLD HTMVDPHDDPE NLSLLR --FA ALWESLYCDD SLLVSTGRS PTLYKEIRKE KPMLTPDITI MSVGTVIAYG
P.hallii-v3.1_Pahal.3G115900.1.p_S6PP.1	ARLVLYSDLD OTMIDHDDRE NLSLLR --FE ALWEAEFSRD SLLVSTGRS PTLYKEIRKE KPMLTPDITI MSVGTVIAYG
P.hallii-v3.1_Pahal.3G116000.1.p_S6PP.2	ARLMIVSDLD OTMVDPHDDPE DLSLLR --FE ALWEAEFAHD SLLIFSTGRS PTLYKEIRKE KPMLTPDITI MSVGTVIAYG
P.hallii-v3.1_Pahal.5G373100.1.p	ARLMIVSDLD HTMVDPHDDPE NLSLLR --FA ALWESLYCDD SLLVSTGRS PTLYKEIRKE KPMLTPDITI MSVGTVIAYG
P.virgatum-v5.1_Pavir.3KG143200.2.p	ASLVLYSDLD OTMIDHDDRE NLSLLR --FE ALWEAEFSOD SLLVSTGRS PTLYKEIRKE KPMLTPDITI MSVGTVIAYG
P.virgatum-v5.1_Pavir.3NG188964.1.p_S6PP.1	ARLVLYSDLD OTMIDHDDRE NLSLLR --FE ALWEAEFSOD SLLVSTGRS PTLYKEIRKE KPMLTPDITI MSVGTVIAYG
P.virgatum-v5.1_Pavir.3NG189313.1.p_S6PP.2	ARLMIVSDLD OTMVDPHDDPE DLSLLR --FG ALWEAEFAHD YLLIFSTGRS PTLYKEIRKE KPMLTPDITI MSVGTVIAYG
P.virgatum-v5.1_Pavir.5KG244800.2.p	ARLMIVSDLD HTMVDPHDDPE NLSLLR --FA ALWESLYCDD SLLVSTGRS PTLYKEIRKE KPMLTPDITI MSVGEITYG
P.virgatum-v5.1_Pavir.5NG369700.2.p	ARLMIVSDLD HTMVDPHDDPE NLSLLR --FA ALWESVYCOD SLLVSTGRS PTLYKEIRKE KPMLTPDITI MSVGEITYG
S.bicolor_RTX430-v2.1_SbIRTX430.04G160000.1.p	ARLMIVSDLD HTMVDPHDDPE NLSLLR --FG ALWESVYCOD SLLVSTGRS PTLYKEIRKE KPMLTPDITI MSVGEITYG
S.bicolor_RTX430-v2.1_SbIRTX430.09G042400.1.p_S6PP.1	ARLMIVSDLD OTMIDHDDRE NLSLLR --FE ALWEAEFSOD SLLVSTGRS PTLYKEIRKE KPMLTPDITI MSVGTVIAYG
S.bicolor_RTX430-v2.1_SbIRTX430.09G042500.1.p_S6PP.2	ARLMIVSDLD OTMVDPHDDPE DLSLLR --FE ALWEAEFSHD SLLIFSTGRS PTLYKEIRKE KPMLTPDITI MSVGTVIAYG
S.bicolorRio-v2.1_SbRIO.04G161300.1.p	ARLMIVSDLD HTMVDPHDDPE NLSLLR --FG ALWESVYCOD SLLVSTGRS PTLYKEIRKE KPMLTPDITI MSVGEITYG
S.bicolorRio-v2.1_SbRIO.09G043600.1.p_S6PP.1	ARLMIVSDLD OTMIDHDDRE NLSLLR --FE ALWEAEFSOD SLLVSTGRS PTLYKEIRKE KPMLTPDITI MSVGTVIAYG
S.bicolorRio-v2.1_SbRIO.09G043700.1.p_S6PP.2	ARLMIVSDLD OTMVDPHDDPE DLSLLS --FE ALWEAEFSHD SLLIFSTGRS PTLYKEIRKE KPMLTPDITI MSVGTVIAYG
S.bicolor-v3.1.1_Sobic.004G151800.2.p	ARLMIVSDLD HTMVDPHDDPE NLSLLR --FG ALWESVYCOD SLLVSTGRS PTLYKEIRKE KPMLTPDITI MSVGEITYG
S.bicolor-v3.1.1_Sobic.009G040900.2.p_S6PP.1	ARLMIVSDLD OTMIDHDDRE NLSLLR --FE ALWEAEFSOD SLLVSTGRS PTLYKEIRKE KPMLTPDITI MSVGTVIAYG
S.bicolor-v3.1.1_Sobic.009G041000.1.p_S6PP.2	ARLMIVSDLD OTMVDPHDDPE DLSLLS --FE ALWEAEFSHD SLLIFSTGRS PTLYKEIRKE KPMLTPDITI MSVGTVIAYG
S.italica-v2.2_Seita.2G386000.1.p	ARLMIVSDLD HTMVDPHDDPE NLSLLR --FG ALWESLYCDD SLLVSTGRS PTLYKEIRKE KPMLTPDITI MSVGEITYG
S.italica-v2.2_Seita.3G059500.1.p_S6PP.1	ARLVLYSDLD OTMIDHDDRE NLSLLR --FE ALWEAEFSOD SLLVSTGRS PTLYKEIRKE KPMLTPDITI MSVGTVIAYG
S.italica-v2.2_Seita.3G059600.1.p_S6PP.2	ARLMIVSDLD OTMVDPHDDPE DLSLLR --FE ALWEAEFSHD SLLVSTGRS PTLYKEIRKE KPMLTPDITI MSVGTVIAYG
S.italica-v2.2_Seita.5G174500.1.p	ARLMIVSDLD HTMVDPHDDPE NLSLLR --FG ALWESVYCOD SLLVSTGRS PTLYKEIRKE KPMLTPDITI MSVGEITYG
S.viridis-v2.1_Sevir.2G396500.2.p	ARLVLYSDLD HTMVDPHDDPE NLSLLR --FG ALWESLYCDD SLLVSTGRS PTLYKEIRKE KPMLTPDITI MSVGEITYG
S.viridis-v2.1_Sevir.3G060400.2.p_S6PP.1	ARLVLYSDLD OTMIDHDDRE NLSLLR --FE ALWEAEFSOD SLLVSTGRS PTLYKEIRKE KPMLTPDITI MSVGTVIAYG
S.viridis-v2.1_Sevir.5G174500.1.p	ARLMIVSDLD HTMVDPHDDPE NLSLLR --FG ALWESVYCOD SLLVSTGRS PTLYKEIRKE KPMLTPDITI MSVGEITYG
Saccharum-R570_S6PP.1	ARLVLYSDLD OTMIDHDDRE NLSLLR --FE ALWEAEFSOD SLLVSTGRS PTLYKEIRKE KPMLTPDITI MSVGTVIAYG
Saccharum-R570_S6PP.2	ARLMIVSDLD OTMVDPHDDPE DLSLLR --FE ALWEAEFSHD SLLIFSTGRS PTLYKEIRKE KPMLTPDITI MSVGTVIAYG
Saccharum-R570_S6PP.2D.2	ARLVLYSDLD OTMIDHDDPE DLSLLR --FE ALWEAEFSHD SLLIFSTGRS PTLYKEIRKE KPMLTPDITI MSVGTVIAYG
Saccharum-R570_S6PP.2D.1	ARLVLYSDLD OTMIDHDDPE DLSLLR --FE ALWEAEFSOD SLLVSTGRS PTLYKEIRKE KPMLTPDITI MSVGTVIAYG
T.aestivum-v2.2_Traes_1BS_998F2E806.2	ARLMIVSDLD OTMVDPHCDPE NSALLR --FE ALWESEYSOD SLLVSTGRS PVSYKALREK KPMLTPDITI MSVGTVIAYG
T.aestivum-v2.2_Traes_1DS_9AE5A76AC.2	HPRPATLAS RHLVDPHCDPE NSALLR --FE ALWESEYSOD SLLVSTGRS PVSYKGRIRK KPMLTPDITI MSVGTVIAYG
T.aestivum-v2.2_Traes_5AS_962BCA20C.1	ARLMIVSDLD HTMVDPHDDPE NLSLLR --FG ALWESVYCOD SLLVSTGRS PTLYKEIRKE KPMLTPDITI MSVGEITYG
T.aestivum-v2.2_Traes_5BS_F7853DBB6.2	ARLMIVSDLD HTMVDPHDDPE NLSLLR --FG ALWESVYCOD SLLVSTGRS PTLYKEIRKE KPMLTPDITI MSVGEITYG
T.aestivum-v2.2_Traes_5DS_0B17FFD55.1	ARLMIVSDLD HTMVDPHDDPE NLSLLR --FG ALWESVYCOD SLLVSTGRS PTLYKEIRKE KPMLTPDITI MSVGEITYG
T.intermedium-v2.1_Thint.01G0102700.1.p	ARLMIVSDLD OTMVDPHCDSE NSALLR --FE ALWESEYSOD SLLVSTGRS PVSYKGRIRK KPMLTPDITI MSVGTVIAYG
T.intermedium-v2.1_Thint.02G0243300.1.p	ARLMIVSDLD OTMVDPHCDSE NSALLR --FE ALWESEYSOD SLLVSTGRS PVSYKGRIRK KPMLTPDITI MSVGTVIAYG
T.intermedium-v2.1_Thint.03G0206200.1.p	ARLMIVSDLD OTMVDPHCDPE NSALLH --FE ALWESEYSOD SLLVSTGRS PVSYKGRIRK KPMLTPDITI MSVGTVIAYG
T.intermedium-v2.1_Thint.05G0032000.1.p	ARLMIVSDLD HTMVDPHDDPE NLSLLR --FG ALWESVYCOD SLLVSTGRS PTLYKEIRKE KPMLTPDITI MSVGEITYG
T.intermedium-v2.1_Thint.13G0028000.1.p	ARLMIVSDLD HTMVDPHDDPE NLSLLR --FG ALWESAYCOD SLLVSTGRS PTLYKEIRKE KPMLTPDITI MSVGEITYG
T.intermedium-v2.1_Thint.14G0034900.1.p	ARLMIVSDLD HTMVDPHDDPE NLSLLR --FG ALWESVYCOD SLLVSTGRS PTLYKEIRKE KPMLTPDITI MSVGEITYG
T.intermedium-v2.1_Thint.15G0012900.1.p	ARLMIVSDLD HTMVDPHDDPE NLSLLR --FG ALWESVYCOD SLLVSTGRS PTLYKEIRKE KPMLTPDITI MSVGEITYG
T.intermedium-v2.1_Thint.V1674200.1.p	ARLMIVSDLD HTMVDPHDDPE NLSLLR --FG ALWESVYCOD SLLVSTGRS PTLYKEIRKE KPMLTPDITI MSVGEITYG
Z.maysPHJ40-v1.1_ZmPHJ40.08G139200.1.p	ARLMIVSDLD HTMVNVOLI SWSALSYLF FG ALWESVYCED SLLVSTGRS PTLYKEIRKE KPMLTPDITI MSVGEITYG
Z.maysPHJ40-v1.1_ZmPHJ40.10G092800.1.p	ARLLLVSOLD OTMIDHDDRE NLSLLR --FE ALWEAEFAHD SLLVSTGRS PVSYKGRIRK KPMLTPDITI MSVGTVIAYG

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[illegible]

B.distachyon-v3.2 Bradi1lg55300.2.p
B.distachyon-v3.2 Bradi2lg36350.6.p
B.hybridum-v1.1 Brahy.D0160746500.1.p
B.hybridum-v1.1 Brahy.D0260478800.1.p
B.hybridum-v1.1 Brahy.S0660207800.1.p
B.hybridum-v1.1 Brahy.S0860229700.1.p
B.stacei-v1.1 Brast066189100.1.p
B.stacei-v1.1 Brast086210900.1.p
B.sylvaticum-v1.1 Brasy6G197100.1.p
B.sylvaticum-v1.1 Brasy8G226900.1.p
E.coracana-v1.1 ELECO.r07.1A60017250.1
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H.vulgare-r1 HORVU1Hr1G019500.3
H.vulgare-r1 HORVU5Hr1G000580.1
M.sinensis-v7.1 Msin076375700.1.p
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M.sinensis-v7.1 Msin1n7G051300.1.p_S6PP.2
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O.sativaKitaake-v3.1 Oskitaake01g172900.1.p
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O.thomaeum-v1.0 Oropetium_20150105_15513A
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P.halliiHAL-v2.1 PhHAL.3G110100.1.p_S6PP.2
P.halliiHAL-v2.1 PhHAL.5G367300.1.p
P.hallii-v3.1 Pahal.3G115900.1.p_S6PP.1
P.hallii-v3.1 Pahal.3G116000.1.p_S6PP.2
P.hallii-v3.1 Pahal.5G373100.1.p
P.virgatum-v5.1 Pavir.3KG143200.2.p
P.virgatum-v5.1 Pavir.3NG188964.1.p_S6PP.1
P.virgatum-v5.1 Pavir.3NG189313.1.p_S6PP.2
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P.virgatum-v5.1 Pavir.5NG369700.2.p
S.bicolor_RTX430-v2.1 SbiRTX430.046160000.1.p
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S.bicolor_RTX430-v2.1 SbiRTX430.096042500.1.p_S6PP.2
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S.bicolorRio-v2.1 SbrRio.09G043700.1.p_S6PP.2
S.bicolor-v3.1.1 Sobic.004G151800.2.p
S.bicolor-v3.1.1 Sobic.009G040900.2.p_S6PP.1
S.bicolor-v3.1.1 Sobic.009G041000.1.p_S6PP.2
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S.italica-v2.2 Seita.3G059500.1.p_S6PP.1
S.italica-v2.2 Seita.3G059600.1.p_S6PP.2
S.italica-v2.2 Seita.5G174500.1.p
S.viridis-v2.1 Sevir.2G396500.2.p
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S.viridis-v2.1 Sevir.5G174500.1.p
Saccharum-R570_S6PP.1
Saccharum-R570_S6PP.2
Saccharum-R570_S6PP.2D.2
Saccharum-R570_S6PP.2D.1
T.aestivum-v2.2 Traes_1BS_998F2E806.2
T.aestivum-v2.2 Traes_1DS_9AE5A76AC.2
T.aestivum-v2.2 Traes_5AS_962BCA20C.1
T.aestivum-v2.2 Traes_5BS_F7853DBB6.2
T.aestivum-v2.2 Traes_5DS_0B17FF055.1
T.intermedium-v2.1 Thint.01G0102700.1.p
T.intermedium-v2.1 Thint.02G0243300.1.p
T.intermedium-v2.1 Thint.03G0206200.1.p
T.intermedium-v2.1 Thint.05G0032000.1.p
T.intermedium-v2.1 Thint.13G0028000.1.p
T.intermedium-v2.1 Thint.14G0034900.1.p
T.intermedium-v2.1 Thint.15G0012900.1.p
T.intermedium-v2.1 Thint.V1674200.1.p
Z.maysPHJ40-v1.1 ZmPHJ40.08G139200.1.p
Z.maysPHJ40-v1.1 ZmPHJ40.10G0992800.1.p