

At4g20850 -----EIRADCFIEAHPEYDGRGVVIALFDG-----
Os02g44520 -----MPKKEIGVDRFLAAPHFYDGRGALLAIFDGS-----
At1g20150 -----ESESSEMHGDDIIIGFIDSG-----
At1g20160 -----SFSASASISYDSIVGIDSG-----
Os01g17160 -----SDRLGRASGSDIIIGVFDG-----
At5g59810 -----AKNGVVKHSSLWNKAGYGEDIIANLDTG-----
Os02g10520 -----AGVGGAPGAAMKKAFGEDIIIGNLDTG-----
At2g04160 -----EHNSYVPSSSITWRKARFGEDIIANLDTG-----
Os09g30250 -----LMRKLIIGARYPNKGILIS-----
Os06g40700 -----EESVPSFSPWRARARQGNIIIGNLDTG-----
Os01g50680 -----ELEKNGAATGAMKDAAKGTDAIIIGNVFDG-----
Os08g23740 -----RDGQILPDSIMKGRFPGQDVIIANLDTG-----
At5g45640 -----VGRKFLKNKAKHGDGVIVGLDSDG-----
At5g45650 -----DADDRFRVGRNPLKKAHKGDDGIIVGVLDSDG-----
Os01g52750 -----RGPDITGRLLPQDKAGGEDVIIVGVLDSDG-----
At3g46840 -----FMGLKESKRRKRNITLLESDDIIIGVLDSDG-----
At3g46850 -----KEGKRKKRNPILIESDIIIGVLDSDG-----
At5g59100 -----FMGLKEGILKKRTRSLIESDIIIGVLDSDG-----
At5g59130 -----KEGKGRKKRNPVESDDIIIGVFDGG-----
At5g58820 -----NKKRNLAIESDIIIGFIDSG-----
At5g58840 -----NKKRNLAIESDIIIGFIDSG-----
At5g58830 -----NKKRNLAIESDIIIGFIDSG-----
At5g59090 -----FMGVKEKGRKKRNLAIESDIIIGVLDG-----
At5g59120 -----EGIKKKRNPVESDDIIIGVLDSDG-----
At4g15040 -----LGDKSNNVPEVESNVIIVGVLDGG-----
At5g59190 -----EKARRESVKESDVIIVGVLDSDG-----
At4g00230 -----WDFVGLPLTAKRHKAERDVIIGVLDSDG-----
At5g03620 -----KRRKSSNLTGSGESNVIIVGVLDSDG-----
At2g39850 -----FMNLTLKAERNENESDIIIVAVLDG-----
Os06g41880 -----FMGLSVDAAAELPELSSKNQENVIIGFIDG-----
At1g32950 -----LGPSADNSKNLVSDTNMGDQIIIGVLDG-----
At1g32960 -----LGLSSANPNKLNLDTNMGDQVLIIGVLDG-----
At1g32940 -----LGLSVANPNLNLDTNMGDQVLIIGFIDG-----
At4g10510 -----LGLSPFNKPNLNLDTNMGEMIIIGIDSG-----
At4g10540 -----LGLSVANPNLNLDTNMGESDIIIGVLDG-----
At4g10550 -----NPKSLIHEHTNMGGDIIIGVLDG-----
At1g32970 -----HPKNLILNQTNMGDQLIIGVVDGV-----
At4g10520 -----PGNSDSLQKANMGYNVIIVGVLDSDG-----
At4g10530 -----PGNSDSLQKANMGYNVIIVGVLDSDG-----
At1g66210 -----AAPTGLIHEHTNMGGSAIIVGLDSDG-----
At1g66220 -----TSKSLIHKTKMGSBAIIGVLDSDG-----
At4g21630 -----SFSSSSSAKGLIHEHTNMGSBAIIGVVDG-----
At4g21640 -----SSSSSSAKAGLLHNTSMGSBAIIGVVDG-----
At4g21650 -----SFSSSLSSVKGLLHDTNLGSEAIIGVLDSDG-----
At4g21323 -----SSKSLIHEHTNMGSBAIIGVLDSDG-----
At5g11940 -----STPKGLIHEAKMRDIIIGVLDSDG-----
At4g21326 -----FTPKGLIHEESNMGSBIIIGVLDSDG-----
Os01g58240 -----FLGLINYQNPSELLRRSNKGEDIIIGVVDG-----
Os01g58260 -----FLGLIDYQKPSSELLRRSNHGGQIIIGIDG-----
Os01g58270 -----RMPTELLQRTNIGERIIGIIVDTG-----
Os01g58280 -----EPPSEFLQSNKGEDIIIGIDG-----
Os01g58290 -----FLGLINYQPNKLLQSKNKGSDVIIGMDG-----
Os02g17090 -----YEQSGILLKAKANGEDVIIVGVLDSDG-----
Os02g17150 -----YEQSGILLKAKANGEDVIIVGVLDSDG-----
Os02g16940 -----YEQSGVLKDAKANGEDVIIVGVVDG-----
Os02g17000 -----YEQSNLLKAKANGEDVIIVGVLDSDG-----
Os02g17060 -----FLGLINYQSSSEKAKANGESVIIVGV-----
Os02g17080 -----FLGLIDYQTSAGLLHDTNKGSDVIIGIDSDG-----
Os04g03800 -----TKPTGLIHEDAKKGDDIIIGIDG-----
Os04g03810 -----TKPTGLIHEDAKKGDDIIIGIDG-----
Os04g02980 -----RQPNGLLAKAKANGEDIIIVAVDTG-----
Os04g03060 -----ATPNLGNCRDS-----
Os04g03100 -----LGLDYKPTNGLLAKARKGEGVVIIGVVDG-----
Os04g03710 -----YQGNLSLLAKAKANGEDIIIGVLDSDVSKNGLFISKLAR-----
Os04g02960 -----CNKPLIGARWY-----
Os11g15520 -----FMGLIYNQTNGLIAHAKMGGIIIGVLDSDG-----
Os09g36110 -----FSGGGGILLESRFGEDSIIGVLDG-----
At4g26330 -----DNARRPPFQIAYGSDIIVGIDFTGLFISLKLILLISILG-----
Os03g06290 -----CNKRKLIIGARVILAG-----
At1g04110 -----LGLDTPFSNPKSKRSRSGCGIIIGVLDG-----
Os03g04950 -----FLGLDFTFGAMARSGGCGIIIGVLDG-----
Os02g44590 -----KGAFAAYHGGIWNRSNMKGEMIIIGVLDG-----
Os04g47150 -----RRGGVWNTSNMKGEGIIIGIDG-----
Os04g10360 -----LLGMSTPRTGAWSVAGNMGGVIVGVLDNG-----
Os03g02750 -----FLGLHLGNDGFWRSRSGPGRGVVGLDSDG-----
Os10g38080 -----FLGLHLBNAMRSHSGPGRGVVGLDSDG-----
Os12g23980 -----FLGLRLRLRSGSKTSMKSGEIIIGVLDG-----
Os04g47160 -----WSSSSGGSGAGAGVIVGVLDG-----
Os03g31630 -----FLGLTRGAGFWRDVAGYKGGVVGVLDTG-----
Os07g48650 -----FLGLRKKDAGLWRDSG-YKGGVIVGVLDG-----
Os05g30580 -----TPERGVMKAAG-YGEGVVGVLDTG-----
At2g05920 -----RTPEFLGLNSFPVGLGSSSNGVIGVLDG-----
Os10g25450 -----PAIHGFPAANTHDVIGVLDG-----
Os09g26920 -----RSPLFLHLFPYDAPDADGASTDVIIGVLDG-----
At5g67360 -----HTADLFPAGSYSDVVVGVLDTG-----
Os03g40830 -----EFLGIAGNDGLFPQSGIAGDVVGVLDTG-----
Os03g55350 -----LGLDRTDALFPQSNKSGSDVIIGVLDG-----
At5g51750 -----LGLERQESRWAERYDHDVVVGVLDTG-----
Os04g48420 -----GIGPFSNRKWSDSLADHDVVVGVLDTG-----
At3g14240 -----LGLRSTDKAGLIESDFGSDVIIGVLDG-----
Os08g35090 -----SPFSALLADSDFGSDLVIALIDG-----
At4g34980 -----RSPQFLGLNQKGLMSESDYGSDDVIIGVFDG-----
Os03g13930 -----RSPQFLGLRARLGLMSLADYGSDDVVVGVLDTG-----
At3g14067 -----AFLRFPQNSGLMWSNYG-----
Os02g53860 -----AFLHLTQASGLLRAASGASSPVIGVLDG-----
Os02g53910 -----RLSPSVGLVQASNGGKTGAVALIDG-----
Os02g53970 -----PSNGLVQASNDGGTGAVALVVDG-----
Os02g53850 -----SPSSGLQAESNSATDAVIAVINT-----
At1g01900 -----FLGLEPFIGLMNETSLSSDVIIGVLDG-----
Os07g39020 -----DEYGLWRDTEFGDQVLIIGVLDG-----
At4g20430 -----YTPQFMGLPKGAWKKGGYETAGEGVIIGFIDG-----
At5g44530 -----YTPQFMGLPKGAWKKEGFEIAGEGVIIGFIDG-----
At1g30600 -----HTPQFLGLPRGAWLRDGGSEYAGEGVIIGFIDG-----
Os01g56320 -----GAWVQEGGFCAGGGVVGVLDTG-----
At2g19170 -----LFTDVWPTGGGFDRAGEDVIIGVVDSDG-----
At4g30020 -----LFTDVWPTGGGFDRAGEDVIIGVVDSDG-----
Os06g48650 -----TGVWPTGGGFDRAGEDVIIGVVDSDG-----
At1g62340 -----QVQWKISNEGDRRAGEDVIIGVVDG-----
Os04g45960 -----YTPRIGANVWVPLIGAEKAGDGVVIGMVDTG-----
At5g67090 -----FSPKFIGLNSTSGVWPSNKGAGIIVGIDG-----
Os01g64860 -----EFLGVSG-AGGLWETASKGDGVIVGVVDG-----
Os05g36010 -----FLGVSSGLWESKESGSDVIIGVLDG-----
Os01g64850 -----EFLRLSPFGGLPAARKEGVIIGVLDG-----
Os04g35140 -----FLGLSAGAGWASRGADVVVGIVDTG-----
At5g19660 -----QVTSMFADHLWKGYGAKVXMAIFDTG-----
Os06g06800 -----QVTSLSFGAERLWGRGFGKRVXMAIFDTG-----

FDPSAAG

VDPSAAG

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At4g20850 ----LHVTSDGKPKVLVDICTG---SVDPLKKQADKYDSIVTSSPAGTAVAGIAA----AMHPEEHL
Oe02g44520 ----LQTTSDGKPKLLVDWCCNPFSCSFVANI--DDNLVSVITDCSPHATVAGIAAA----FHPDSEFL
At1g20150 ----GPNDRHMGPPPEKMSFFL----DPDYETPRDFLHGRTVAIAAGQITANAS--YFG-LAAG
At1g20160 ----ESFNDKGLGPPPPK-----PRDVLHGRTVAIAAGSVVAGAS--YFG-LAAG
Oe01g17160 ----APFSDAAGVTATAGG----PRDAVVGRTVAIAAGSAVVPAG--YFG-LARG
At5g59810 ----KPFSEEGYGVAVP-----ATCRDHGRTVAIAAGNFVPGAN--VFG-IGNG
Oe02g10520 ----ESFPRDGLGPTPS-----WDTPRDTDGRTVAIAAGGAVVAGAS--VFG-YQNG
At2g04160 ----KPFPRDGLGPTP-----SDSPRDLDRGRTVAIAAGDFVPGVS--IFG-QQNG
Oe09g30250 ----GQAANP-----ATPRDTDGRTVAIAAGGFVPGAN--LFG-YQNG
Oe06g40700 ----LSPNDRGLGPTP-----PRDANGRTVAIAAGSAVVAEAS--AFG-LAAG
Oe01g50680 ----LSPNDRGLGPTP-----NTPRYTIGRTVAIAAGGFVFDAS--VFG-HKGG
Oe08g23740 ----NSFTDEEYVGVVN-----WSRDTGRTVAIAAGGFVFPAS--LFG-YANG
At5g45640 ----RSFDKK--GMR-----DPLSPRADAGRTVAIAAGRRVGVVS--AGG-IAMG
At5g45650 ----KSFNNK--GMYGAFNATA----NKDFLSPRDFDGRRTVAIAAGRRVGLAS--ALGGFAPG
Oe01g52750 ----RSFGDEGLG-----FVFPARSPRHDHGRRTVAIAAGRVVGVAS--ALGGFAPG
At3g45840 ----DPSFKGFGPPPPK-----SARYYKGRRTVAIAAGNAVKHVS--FVG-LQNG
At3g46850 ----DPSFKGFGPPPPK-----DARDNTGRTVAIAAGNAVKHVS--FVG-LQNG
At5g59100 ----DPSFKGFGPPPPKQ-----LARDYSGRTVAIAAGNAVANGN--FVG-LQNG
At5g59130 ----DPSFKGFGPPPPKQ-----DARDSTGRTVAIAAGNAVANGN--FVG-LQNG
At5g58820 ----DPSFKGFGIGARDYTSE-----GTRDLQGRRTVAIAAGNAVDAS--FVG-IGNG
At5g58840 ----DPSFKGFGIGARDYTNE-----GTRDLHGRTVAIAAGNAVKNTS--FVG-IGNG
At5g58830 ----DPSFKGFGIGARDYTSE-----GTRDLQGRRTVAIAAGNAVDAS--FVG-IGNG
At5g59090 ----DPSFKGFGIGARDTSE-----GTRDTSGRTVAIAAGNAVDAS--FVG-IGNG
At5g59120 ----DPSFKGFGIGARDTSE-----GTRDMGRTVAIAAGNAVDAS--FVG-IGNG
At4g15040 ----KPSDAGSGTIPPKD-----SARDSDAGRTVAIAAGNKVKVS--VNG-VAEG
At5g59190 ----ESFDDEGFGPPPKD-----SARDEEGRTVAIAAGNAVQAS--FVG-LAQQ
At4g00230 ----ESFLDHGLGPPPAKIDENVP-----AGEVSPRIDHGRRTVAIAAGVIVANAS--LFG-IANG
At5g03620 ----ESFLDHGLGPPPAKAD-----HDCGRRTVAIAAGSVSSAS--LFG-IANG
At2g39850 ----LPSDGLGKWEK-----VIVITGRTVAIAAGRVKTAG--VFG-LAEG
Oe06g41880 ----PFSFGHGMPPVPIS-----PRDSSGRRTVAIAAGRVNMMN--VFG-LGTG
At1g32950 ----ESFNDYGVGVVPS-----ISARDFDGRRTVAIAAGSFVNVVS--YFG-LQNG
At1g32960 ----ESFNDYGVGVVPS-----ISARDFDGRRTVAIAAGSFVNVVS--YFG-LAAG
At1g32940 ----ESFNDYGVGVVPS-----ISARDFDGRRTVAIAAGSFVNVVS--YFG-LAAG
At4g10510 ----EVFNDRGLGPTPS-----LPRVNGRTVAIAAGSFVNVVS--YFG-LAAG
At4g10540 ----EVFNDRGLGPTP-----LPRDSDGRRTVAIAAGSFVNVVS--YFG-LAAG
At4g10550 ----EVFNDRGLGPTP-----LPRDLGRTVAIAAGSFVNVVS--YFG-LAAG
At1g32970 ----DLYQNGKEVQLGHANPEY-----ISPRDFDGRRTVAIAAGSFVNDIN--YFG-LQNG
At4g10520 ----EMFNDRGLGFGVNVNRTQN-----PEYLSPRDFACGRRTVAIAAGSFVNVVS--YFG-LQNG
At4g10530 ----EMFNDRGLGFG-----PESLSPRDFNGRTVAIAAGSFVNVVS--YFG-LQNG
At1g62210 ----EMFNDRGLGFGTRWKSKVINSF-----NAAEKGVSFLKGRRTVAIAAGSVSPDAN--VFG-LAAG
At1g62220 ----EMFNDRGLGPTP-----GTRDPRVGRRTVAIAAGSVANAN--YFG-LAAG
At4g21630 ----KVFNDRGLGPTPQMRQ-----DEKINRDAGRTVAIAAGSFVNVVS--FVG-LARG
At4g21640 ----KVFNDRGLGPTPK-----KSNRDATGRTVAIAAGSFVNVAS--FVG-LARG
At4g21650 ----KAVNDGGLGPTPK-----QTRDANGRTVAIAAGSFVNVVS--FVG-LAQQ
At4g21323 ----ESFPRDGLGPTPK-----LPRDHNHGRRTVAIAAGSFVNVVS--LFG-LSSG
At5g11940 ----GPNDRGLGPTPK-----DNGSPRDLHGRTVAIAAGSFVNVVS--YFG-LAAG
At4g21326 ----PANDRGLGPTPKHKKKKIVSG-----ISEEFPMPRKYGRRTVAIAAGSFVNVVS--YFG-LAAG
Oe01g58240 ----RPFREDEYGVVPALS-----PRDVGRTVAIAAGSVVEAVS--FVG-LAAG
Oe01g58260 ----RPFREDEYGVVPALS-----PRDANGRTVAIAAGSVVEAVS--FVG-LAAG
Oe01g58270 ----RPFREDEYGVVPALS-----PRDANGRTVAIAAGSVVEAVS--FVG-LQEG
Oe01g58280 ----KPFHDHGVDAIMS-----ARDNNHGRRTVAIAAGVAVGVN--LFG-LQAG
Oe01g58290 ----RPFREDEYGVVPALS-----QADFKKTHSRDNGRTVAIAAGSVVGRS--YFG-LATG
Oe02g17090 ----RPFNDGGLGPTP-----MARDLHGRTVAIAAGSVVGRS--YFG-LATG
Oe02g17150 ----ESFNSKSYSSVPTNRQ-----DESLKGEYLSPRDANGRTVAIAAGSVVGRS--YFG-LAAG
Oe02g16940 ----PSPNDGGLGPTP-----AMSPRDFHGRRTVAIAAGSVVGRS--YFG-LAAG
Oe02g17000 ----RSPNDGGLGPTP-----DDFLKGEYLSPRDLGRTVAIAAGSVVGRS--YFG-LAAG
Oe02g17060 ----PSPNDGGLGPTP-----SLLVKGEYLSPRDLGRTVAIAAGSVVGRS--YFG-LAAG
Oe02g17080 ----PSPNDGGLGPTP-----FVFPARSPRDLHGRTVAIAAGSVVGRS--YFG-LAAG
Oe04g03800 ----PSPNDGGLGPTP-----SKRNDAGRTVAIAAGSVVGRS--YFG-LAAG
Oe04g03810 ----PSPNDGGLGPTP-----SRNDAGRTVAIAAGSVVGRS--YFG-LAAG
Oe04g02980 ----PSPNDGGLGPTP-----LSPRVVGRRTVAIAAGSVVGRS--YFG-LAAG
Oe04g03060 ----PSPNDGGLGPTP-----LSPRVVGRRTVAIAAGSVVGRS--YFG-LAAG
Oe04g03100 ----PSPNDGGLGPTP-----LSPRVVGRRTVAIAAGSVVGRS--YFG-LAAG
Oe04g03110 ----PSPNDGGLGPTP-----LSPRVVGRRTVAIAAGSVVGRS--YFG-LAAG
Oe04g03170 ----PSPNDGGLGPTP-----LSPRVVGRRTVAIAAGSVVGRS--YFG-LAAG
Oe04g02960 ----PSPNDGGLGPTP-----LSPRVVGRRTVAIAAGSVVGRS--YFG-LAAG
Oe11g15520 ----PSPNDGGLGPTP-----OLEAAGEFLSPRDFGRRTVAIAAGSVVGRS--YFG-LAAG
Oe09g36110 ----ASPRDGLGRTVPRVYAEYKMN-----SDIYEFMSARDVGRRTVAIAAGSVVGRS--YFG-LAAG
At4g26330 ----ESDFTDRFERS-----PRDYLGRRTVAIAAGSVVGRS--YFG-LAAG
Oe03g06290 ----GPNDRGLGRTVPRVYAEYKMN-----PRDYLGRRTVAIAAGSVVGRS--YFG-LAAG
At1g41110 ----PSPNDGGLGPTP-----PRDYLGRRTVAIAAGSVVGRS--YFG-LAAG
Oe03g04950 ----PSPNDGGLGPTP-----PRDYLGRRTVAIAAGSVVGRS--YFG-LAAG
Oe02g44590 ----PSPNDGGLGPTP-----PRDYLGRRTVAIAAGSVVGRS--YFG-LAAG
Oe04g47150 ----PSPNDGGLGPTP-----PRDYLGRRTVAIAAGSVVGRS--YFG-LAAG
Oe04g10360 ----PSPNDGGLGPTP-----PRDYLGRRTVAIAAGSVVGRS--YFG-LAAG
Oe03g02750 ----PSPNDGGLGPTP-----PRDYLGRRTVAIAAGSVVGRS--YFG-LAAG
Oe03g08080 ----PSPNDGGLGPTP-----PRDYLGRRTVAIAAGSVVGRS--YFG-LAAG
Oe12g29980 ----PSPNDGGLGPTP-----PRDYLGRRTVAIAAGSVVGRS--YFG-LAAG
Oe04g47160 ----PSPNDGGLGPTP-----PRDYLGRRTVAIAAGSVVGRS--YFG-LAAG
Oe03g31630 ----PSPNDGGLGPTP-----PRDYLGRRTVAIAAGSVVGRS--YFG-LAAG
Oe07g48650 ----PSPNDGGLGPTP-----PRDYLGRRTVAIAAGSVVGRS--YFG-LAAG
Oe05g30580 ----PSPNDGGLGPTP-----PRDYLGRRTVAIAAGSVVGRS--YFG-LAAG
At2g05920 ----PSPNDGGLGPTP-----PRDYLGRRTVAIAAGSVVGRS--YFG-LAAG
Oe10g25450 ----PSPNDGGLGPTP-----PRDYLGRRTVAIAAGSVVGRS--YFG-LAAG
Oe09g26920 ----PSPNDGGLGPTP-----PRDYLGRRTVAIAAGSVVGRS--YFG-LAAG
At5g67360 ----PSPNDGGLGPTP-----PRDYLGRRTVAIAAGSVVGRS--YFG-LAAG
Oe03g40830 ----PSPNDGGLGPTP-----PRDYLGRRTVAIAAGSVVGRS--YFG-LAAG
Oe03g55350 ----PSPNDGGLGPTP-----PRDYLGRRTVAIAAGSVVGRS--YFG-LAAG
At5g51750 ----PSPNDGGLGPTP-----PRDYLGRRTVAIAAGSVVGRS--YFG-LAAG
Oe04g48420 ----PSPNDGGLGPTP-----PRDYLGRRTVAIAAGSVVGRS--YFG-LAAG
At3g14240 ----PSPNDGGLGPTP-----PRDYLGRRTVAIAAGSVVGRS--YFG-LAAG
Oe08g35090 ----PSPNDGGLGPTP-----PRDYLGRRTVAIAAGSVVGRS--YFG-LAAG
At4g34980 ----PSPNDGGLGPTP-----PRDYLGRRTVAIAAGSVVGRS--YFG-LAAG
Oe03g13930 ----PSPNDGGLGPTP-----PRDYLGRRTVAIAAGSVVGRS--YFG-LAAG
At3g14067 ----PSPNDGGLGPTP-----PRDYLGRRTVAIAAGSVVGRS--YFG-LAAG
Oe02g53860 ----PSPNDGGLGPTP-----PRDYLGRRTVAIAAGSVVGRS--YFG-LAAG
Oe02g53910 ----PSPNDGGLGPTP-----PRDYLGRRTVAIAAGSVVGRS--YFG-LAAG
Oe02g53970 ----PSPNDGGLGPTP-----PRDYLGRRTVAIAAGSVVGRS--YFG-LAAG
Oe02g53850 ----PSPNDGGLGPTP-----PRDYLGRRTVAIAAGSVVGRS--YFG-LAAG
At1g01900 ----PSPNDGGLGPTP-----PRDYLGRRTVAIAAGSVVGRS--YFG-LAAG
Oe07g39020 ----PSPNDGGLGPTP-----PRDYLGRRTVAIAAGSVVGRS--YFG-LAAG
At4g20430 ----PSPNDGGLGPTP-----PRDYLGRRTVAIAAGSVVGRS--YFG-LAAG
At5g44530 ----PSPNDGGLGPTP-----PRDYLGRRTVAIAAGSVVGRS--YFG-LAAG
At1g30600 ----PSPNDGGLGPTP-----PRDYLGRRTVAIAAGSVVGRS--YFG-LAAG
Oe01g56320 ----PSPNDGGLGPTP-----PRDYLGRRTVAIAAGSVVGRS--YFG-LAAG
At2g19170 ----PSPNDGGLGPTP-----PRDYLGRRTVAIAAGSVVGRS--YFG-LAAG
At4g30020 ----PSPNDGGLGPTP-----PRDYLGRRTVAIAAGSVVGRS--YFG-LAAG
Oe06g48650 ----PSPNDGGLGPTP-----PRDYLGRRTVAIAAGSVVGRS--YFG-LAAG
At1g62340 ----PSPNDGGLGPTP-----PRDYLGRRTVAIAAGSVVGRS--YFG-LAAG
Oe04g45960 ----PSPNDGGLGPTP-----PRDYLGRRTVAIAAGSVVGRS--YFG-LAAG
At5g67090 ----PSPNDGGLGPTP-----PRDYLGRRTVAIAAGSVVGRS--YFG-LAAG
Oe01g64860 ----PSPNDGGLGPTP-----PRDYLGRRTVAIAAGSVVGRS--YFG-LAAG
Oe05g36010 ----PSPNDGGLGPTP-----PRDYLGRRTVAIAAGSVVGRS--YFG-LAAG
Oe01g64850 ----PSPNDGGLGPTP-----PRDYLGRRTVAIAAGSVVGRS--YFG-LAAG
Oe04g35140 ----PSPNDGGLGPTP-----PRDYLGRRTVAIAAGSVVGRS--YFG-LAAG
At5g19660 ----PSPNDGGLGPTP-----PRDYLGRRTVAIAAGSVVGRS--YFG-LAAG
Oe06g06800 ----PSPNDGGLGPTP-----PRDYLGRRTVAIAAGSVVGRS--YFG-LAAG
Oe04g03850 ----PSPNDGGLGPTP-----PRDYLGRRTVAIAAGSVVGRS--YFG-LAAG

[illegible]

At4g20850 FVD-LVLEAVNKRRLIFVSSAG--SGPALITV--GAPGGTSSITIGVG
Oe02g44520 FID-LASEVVDKRRILIFISSAG--NGPALINTV--GAPGGTSSITIGVG
At1g20150 IGSFHAVRGGIVVVCAG--SGPSSQGVFIAPPWILTVAASTIDL
At1g20160 IGFHAVRGGIVVVCAG--SGPSSQGVFIAPPWILTVAASTIDL
Oe01g17160 IGFHAVRGGIVVVCAG--SGPSSQGVFIAPPWILTVAASTIDL
At5g59810 IGSFHAVKNGIVVVCAG--SGPKSGTVSVAPWILTVGAEMD
Oe02g10520 IGSFHAVRGGIVVVCAG--SGPAPGVSVVAPWILTVAASTMDR
At2g04160 IGSFHAARKRIVVVCAG--SGPADSVSVVAPWILTVGAETMDI
Oe09g30250 IGSFHAVRGGIVVVCAG--SGPAGGVSVVAPWILTVGAETMDI
Oe06g40700 IGFALHAVKRIIVVVCAG--SGPAGGVSVVAPWILTVGAETMDI
Oe01g50680 IGFYAVKGVIVVVCAG--SGPQSGTVSVVAPWILTVGAEMD
Oe08g23740 LGLSLEAMNNGIVVVCAG--SGPLEDVVNAAPWILTVAASTVD
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At1g30600 ----ADILKPDIIAPGNS----ILAAWPPDRIGP-SGVTSNDRTEFNILSGTMACPHVSGVIALLKSLHPDWSPAAIR
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At4g30020 ----ADILKPDIIAPGNS----ILAAWPPDRIGP-SGVTSNDRTEFNILSGTMACPHVSGVIALLKSLHPDWSPAAIR
Oe06g48650 ----ADILKPDIIAPGNS----ILAAWPPDRIGP-SGVTSNDRTEFNILSGTMACPHVSGVIALLKSLHPDWSPAAIR
At1g62340 ----LDVILKPDIIAPGNS----ILAAWPPDRIGP-SGVTSNDRTEFNILSGTMACPHVSGVIALLKSLHPDWSPAAIR
Oe04g45960 ----ADILKPDIIAPGNS----ILAAWPPDRIGP-SGVTSNDRTEFNILSGTMACPHVSGVIALLKSLHPDWSPAAIR
At5g67090 ----PQVILKPDIIAPGLT----ILAAWPPDRIGP-SGVTSNDRTEFNILSGTMACPHVSGVIALLKSLHPDWSPAAIR
Oe1g64860 ----PQVILKPDIIAPGLT----ILAAWPPDRIGP-SGVTSNDRTEFNILSGTMACPHVSGVIALLKSLHPDWSPAAIR
Oe1g64860 ----PQVILKPDIIAPGLT----ILAAWPPDRIGP-SGVTSNDRTEFNILSGTMACPHVSGVIALLKSLHPDWSPAAIR
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Oe04g35140 ----PQVILKPDIIAPGLT----ILAAWPPDRIGP-SGVTSNDRTEFNILSGTMACPHVSGVIALLKSLHPDWSPAAIR
At5g19660 ----DHASPPSRGMSWELPHGGRVQKPDVAVGRDIMSISTGCKSLSGTAVSPVAGVGLLKLTPHWPSPAAIR
Oe06g06800 ----RAAEVSEVSRSSINHHGQVTVVRDFPGGGWFTLTKTNYIEN----AAVNRVRLQVROMVEAVRGYR
Oe04g03850 ----LQVFLKPDIIAPGNS----ILAAWPPDRIGP-SGVTSNDRTEFNILSGTMACPHVSGVIALLKSLHPDWSPAAIR

At4g20850 ---VSPVSVRRALENISTFVG--DLPEDKLITG-----
Os02g44520 ---LSPPTVRKAIEHIAASIS--DVPEEKLITG-----
At1g20150 SAIDMTAVQMTNNTSHITTEKEKATPFDGAG-----
At1g20160 SAIDMTATQTNNDKSLTITTEKATATPFDGAG-----
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At5g59810 SAIDMTSRTRNNRRKPMVDESFKKANPFSVG-----
Os02g10520 SAIDMTAVEVDNERHALNSSFPAANPFGFAG-----
At2g04160 SAIDMTATIMDDIPGPIQATNMKATPFSFGAG-----
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Os06g40700 SAIDMTATELNDMMRFPIMNSSSRATPFSGAG-----
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At5g59130 SAIDMTAWPMN----ASQS-GYASTEFAYGAG-----
At5g58820 SAIDMTAWPMK----PNRP-GFASTEFAYGAG-----
At5g58840 SAIDMTAWPMN----ATGT-AVASTEFAYGAG-----
At5g58830 SAIDMTAWQMN----ATGT-GASTEFAYGAG-----
At5g59090 SAIDMTAWPKV----AKGR-GIASTEFAYGAG-----
At5g59120 SAIDMTAWPVN----ATGT-GIASTEFAYGSG-----
At4g15040 SAIDMTAWAMN----ASKN--AREAFAYGSG-----
At5g59190 SAIDMTATPMN----LKKN--PEQEFAYG-----
At4g00230 SAITISAKPIS----RRVN--KDAEFAYG-----
At5g03620 SALMTATPMR-----TKS--NEAESG-----
At2g39850 SALMTSSEMT-----DDN--EFAGSG-----
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At1g32960 SAIVTTAWRTDPFGEQIFAEGSSRKVSDPFDYGGG-----
At1g32940 SAIVTTAWRTDPFGEQIFAEGSS-----
At4g10510 SAIVTTAWRTDPFGEQIFAEG-----
At4g10540 SAIVTTAWRTDPFGEQIFAEG-----
At4g10550 SAIVTTAWKTDPFGEQIFAEG-----
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At4g10530 SAIVTTAWRTDPSGEPFADGSS-----
At1g65210 SAIVTTALQTDPSSEPTLAAGSPFKKLADPFDYGG-----
At1g65220 SAIVTTAWKTDPFGEQIFAEGSSRKKLADPFDYGGG-----
At4g21630 SALVTTAWRTSPSGEPFAQGSNKKLADPFDYGGG-----
At4g21640 SALVTTAWRTSPSGEPFAQGSNKKLADPFDYGGG-----
At4g21650 SALVTTAWRTSPSGEPFAEGSNKKLADPFDYGGG-----
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At5g11940 SALITASTTDYB-----
At4g21326 SAIDMTAWKTDPFGEQIFAEG-----
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Os01g58260 SAVVTTASVTDERGMPILAE-----
Os01g58270 SAIVTTASVTDERGMPILAE-----
Os01g58280 SAIVTTASTKDEYDTILAE-----
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Os02g17090 SAIVTTASVTDRFQMPFQAEAV-----
Os02g17150 SAIVTTASVTDRFQIPFQAEQ-----
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Os02g17000 SAIVTTGMSCHTTSSVYMPYMS-----
Os02g17060 SAIVTTGMSCHTTSSVYIPYV-----
Os02g17080 SALITGTLPLLLQWAVDVQVVF-----
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Os09g36110 SALVTANVHDAYGFE-----
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Os03g31630 SAILTSDVAVDGAGNPLDE-----
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Os05g30580 SAIDMTSSAVDNDHAIMDEHRKARLISVG-----
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Os10g25450 SAIDMTAYTVNDTNSGLRDAAGSLATPAPFAG-----
Os09g26920 SAIDMTAYTVNDTNSPTVDAASNTTATPMS-----
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At3g14240 SALITAYTVDNSHEPMMDSTGNT-----
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Os02g53850 SALTTAGLDPGLVYDAGVD-----
At1g01900 SAIDMTARITDNRNRPIQDRGAAMAE-----
Os07g39020 SAMMTAATLDNTRDTIDS-----
At4g20430 SALSTSVLFDNKGKAIMAQAYANPDGHSATPFDMGNG-----
At5g44530 SALSTAILNDNKGSPIMAQRTYSNPDQSLYTATPDSMGSG-----
At1g30600 SALSTIASLSDRKGHEIMAQ-----
Os01g56320 SALSTIISLSDREGNF-----
At2g19170 SAIDMTSTVIDRAGRLQQAQYSDTEAVTLVKATPFDYGG-----
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