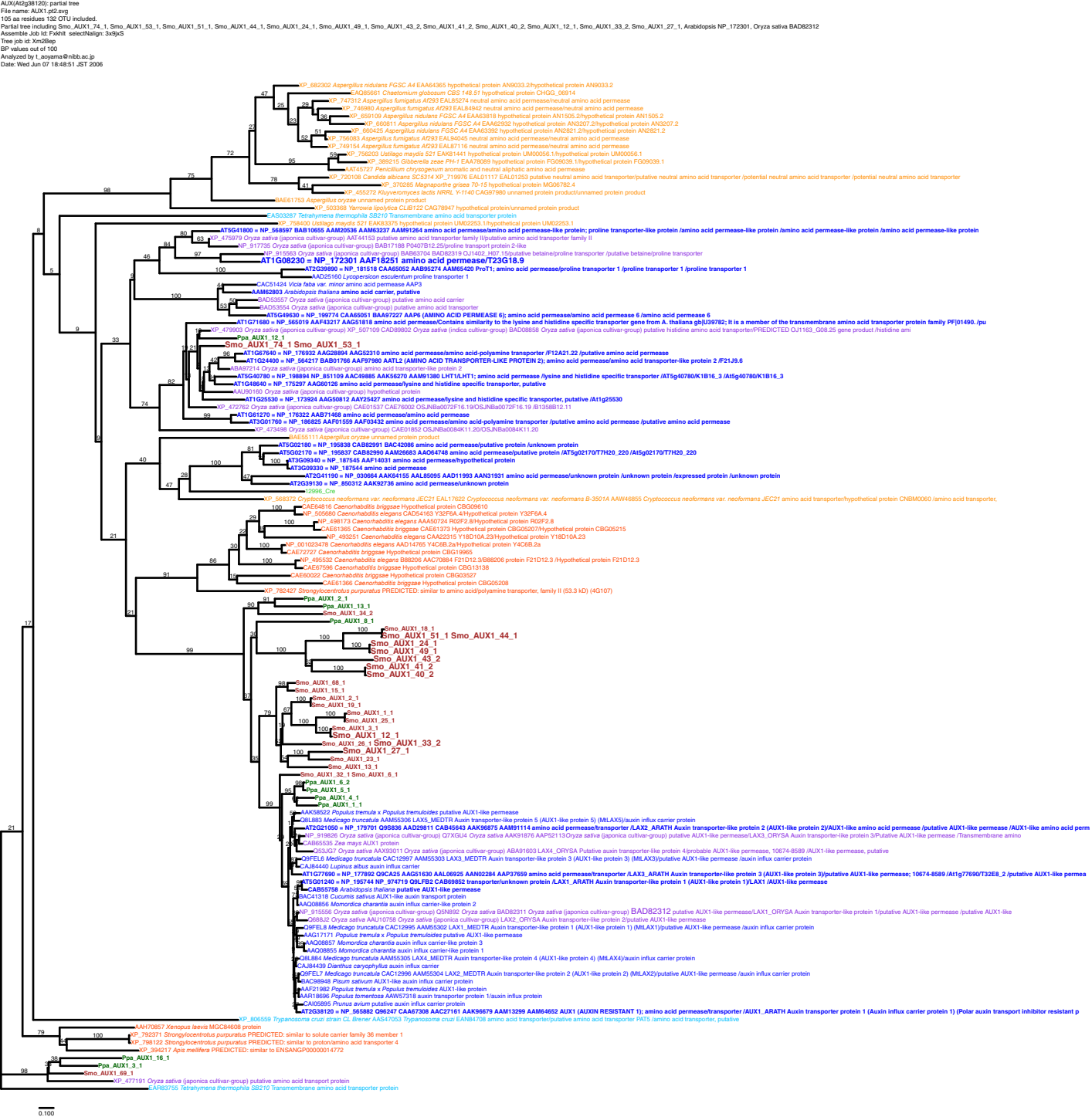
AUX(At2g38120): partial tree
File name: AUX1.pt2.svg
105 as residues 132 OTU included.
Partial tree including Smo_AUX1_74_1, Smo_AUX1_53_1, Smo_AUX1_51_1, Smo_AUX1_44_1, Smo_AUX1_24_1, Smo_AUX1_49_1, Smo_AUX1_43_2, Smo_AUX1_41_2, Smo_AUX1_40_2, Smo_AUX1_12_1, Smo_AUX1_33_2, Smo_AUX1_27_1, Arabidopsis NP_172301, Oryza sativa BAD82312
Assemble Job Id: Fxhhlt selectNaligr: 3x9jxS
Tree job id: Xm2Bep
BP values out of 100
Analyzed by t_aoyama@nibb.ac.jp
Date: Wed Jun 07 18:48:51 JST 2006
XP_682302 Aspergillus nidulans FGSC A4 EAA64365 hypothetical protein AN9033.2/hypothetical protein AN9033.2
CAQ85661 Chaetomium globosum CBS 148.51 hypothetical protein CHGG_06914
XP_747312 Aspergillus fumigatus Af293 EAL85274 neutral amino acid permease/neutral amino acid permease
XP_746980 Aspergillus fumigatus Af293 EAL84942 neutral amino acid permease/neutral amino acid permease
XP_659109 Aspergillus nidulans FGSC A4 EAA63819 hypothetical protein AN1505.2/hypothetical protein AN1505.2
XP_660811 Aspergillus nidulans FGSC A4 EAA62932 hypothetical protein AN3207.2/hypothetical protein AN3207.2
XP_660425 Aspergillus nidulans FGSC A4 EAA63392 hypothetical protein AN2821.2/hypothetical protein AN2821.2
XP_756083 Aspergillus fumigatus Af293 EAL84045 neutral amino acid permease/neutral amino acid permease
XP_749154 Aspergillus fumigatus Af293 EAL87116 neutral amino acid permease/neutral amino acid permease
XP_756203 Ustilago maydis 521 EAK81441 hypothetical protein UM00056.1/hypothetical protein UM00056.1
XP_389215 Gibberella zeae PH-1 EAA78089 hypothetical protein FG09039.1/hypothetical protein FG09039.1
AAT45727 Penicillium chrysogenum aromatic and neutral aliphatic amino acid permease
XP_720108 Candida albicans SC5314 XP_719976 EAL01117 EAL01253 putative neutral amino acid transporter/putative neutral amino acid transporter /potential neutral amino acid transporter /potential neutral amino acid transporter
XP_370285 Magnaporthe grisea 70-15 hypothetical protein MG06782.4
XP_455272 Kluyveromyces lactis NRRL Y-1140 CAG97980 unnamed protein product/unnamed protein product
BAE61753 Aspergillus oryzae unnamed protein product
XP_503368 Yarrowia lipolytica CLIB122 CAG78947 hypothetical protein/unnamed protein product
CAD32887 Tetrahymena thermophila SB210 Transmembrane amino acid transporter protein
XP_758400 Ustilago maydis 521 EAK83375 hypothetical protein UM02253.1/hypothetical protein UM02253.1
AT5G41800 = NP_568597 BAB10655 AAM20536 AAM63237 AAM91264 amino acid permease/amino acid permease-like protein; proline transporter-like protein /amino acid permease-like protein /amino acid permease-like protein /amino acid permease-like protein
XP_475979 Oryza sativa (japonica cultivar-group) AAT44153 putative amino acid transporter family II/putative amino acid transporter family II
XP_917735 Oryza sativa (japonica cultivar-group) BAB17188 P0407B12.25/proline transport protein 2-like
XP_915563 Oryza sativa (japonica cultivar-group) BAB63704 BAD82319 OJ1402_H07.15/putative betaine/proline transporter /putative betaine/proline transporter
AT1G08230 = NP_172301 AAF18251 amino acid permease/T23G18.9
AT2G39890 = NP_181518 CAA66502 AAB95274 AAM65420 ProT1; amino acid permease/proline transporter 1 /proline transporter 1 /proline transporter 1
AAD25160 Lycopersicon esculentum proline transporter 1
CAC51424 Vicia faba var. minor amino acid permease AAP3
AAM62803 Arabidopsis thaliana amino acid carrier, putative
BAD53557 Oryza sativa (japonica cultivar-group) putative amino acid carrier
BAD53554 Oryza sativa (japonica cultivar-group) putative amino acid transporter
AT5G49630 = NP_199774 CAA65051 BAA97227 AAP6 (AMINO ACID PERMEASE 6); amino acid permease/amino acid permease 6 /amino acid permease 6
AT1G71680 = NP_565019 AAF43217 AAG51818 amino acid permease/Contains similarity to the lysine and histidine specific transporter gene from A. thaliana gb|U39782; It is a member of the transmembrane amino acid transporter protein family PF|01490. /pu
XP_479903 Oryza sativa (japonica cultivar-group) XP_507109 CAD89802 Oryza sativa (indica cultivar-group) BAD08858 Oryza sativa (japonica cultivar-group) putative histidine amino acid transporter/PREDICTED OJ1163_G08.25 gene product /histidine ami
Ppa_AUX1_12_1
Smo_AUX1_74_1 Smo_AUX1_53_1
AT1G67640 = NP_176932 AAG28894 AAG52310 amino acid permease/amino acid-polyamine transporter /F12A21.22 /putative amino acid permease
AT1G22400 = NP_564217 BAB01766 AAF97980 AATL2 (AMINO ACID TRANSPORTER-LIKE PROTEIN 2); amino acid permease/amino acid transporter-like protein 2 /F21J9.6
ABA97214 Oryza sativa (japonica cultivar-group) amino acid transporter-like protein 2
AT5G40780 = NP_198894 NP_851109 AAC49685 AAG52270 AAM91380 LHT1;LHT1; amino acid permease /lysine and histidine specific transporter /AT5g40780/K1B16_3 /At5g40780/K1B16_3
AT1G48640 = NP_175297 AAG60126 amino acid permease/lysine and histidine specific transporter, putative
AAU80160 Oryza sativa (japonica cultivar-group) hypothetical protein
AT1G25530 = NP_173924 AAG50812 AAY25427 amino acid permease/lysine and histidine specific transporter, putative /At1g25530
XP_472762 Oryza sativa (japonica cultivar-group) CAE01337 CAE76002 OSJNBa0072F16.19/OSJNBa0072F16.19 /B1358B12.11
AT1G61270 = NP_176322 AAB71468 amino acid permease/amino acid permease
AT3G01760 = NP_186825 AAF01559 AAF03432 amino acid permease/amino acid-polyamine transporter /putative amino acid permease /putative amino acid permease
XP_473498 Oryza sativa (japonica cultivar-group) CAE01852 OSJNBa0084K11.20/OSJNBa0084K11.20
BAE55111 Aspergillus oryzae unnamed protein product
AT5G02180 = NP_195838 CAB82991 BAC42086 amino acid permease/putative protein /unknown protein
AT5G02170 = NP_195837 CAB82990 AAM26683 AAO64748 amino acid permease/putative protein /AT5g02170/T7H20_220 /At5g02170/T7H20_220
AT3G09340 = NP_187545 AAF14031 amino acid permease/hypothetical protein
AT3G09330 = NP_187544 amino acid permease
AT2G41190 = NP_030664 AAK64155 AAL85095 AAD11993 AAN31931 amino acid permease/unknown protein /unknown protein /expressed protein /unknown protein
AT2G39130 = NP_850312 AAK92736 amino acid permease/unknown protein
12996_Cre
XP_568372 Cryptococcus neoformans var. neoformans JEC21 EAL17622 Cryptococcus neoformans var. neoformans B-3501A AAW46855 Cryptococcus neoformans var. neoformans JEC21 amino acid transporter/hypothetical protein CNBM0060 /amino acid transporter,
CAE64816 Caenorhabditis briggsae Hypothetical protein CBG09610
NP_505680 Caenorhabditis elegans CAD54163 Y32F6A.4/Hypothetical protein Y32F6A.4
NP_498173 Caenorhabditis elegans AAA50724 R02F2.8/Hypothetical protein R02F2.8
CAE61365 Caenorhabditis briggsae CAE61373 Hypothetical protein CBG05207/Hypothetical protein CBG05215
NP_493251 Caenorhabditis elegans CAA22315 Y18D10A.23/Hypothetical protein Y18D10A.23
NP_001023478 Caenorhabditis elegans AAD14765 Y4C6B.2a/Hypothetical protein Y4C6B.2a
CAE72727 Caenorhabditis briggsae Hypothetical protein CBG19965
NP_495532 Caenorhabditis elegans B88206 AAC70884 F21D12.3/B88206 protein F21D12.3 /Hypothetical protein F21D12.3
CAE67596 Caenorhabditis briggsae Hypothetical protein CBG13138
CAE60022 Caenorhabditis briggsae Hypothetical protein CBG03527
CAE61366 Caenorhabditis briggsae Hypothetical protein CBG05208
XP_782427 Strongylocentrotus purpuratus PREDICTED: similar to amino acid/polyamine transporter, family II (53.3 kD) (4G107)
Ppa_AUX1_2_1
Ppa_AUX1_13_1
Smo_AUX1_34_2
Ppa_AUX1_8_1
Smo_AUX1_18_1
Smo_AUX1_51_1 Smo_AUX1_44_1
Smo_AUX1_24_1
Smo_AUX1_49_1
Smo_AUX1_43_2
Smo_AUX1_41_2
Smo_AUX1_40_2
Smo_AUX1_68_1
Smo_AUX1_15_1
Smo_AUX1_2_1
Smo_AUX1_19_1
Smo_AUX1_1_1
Smo_AUX1_25_1
Smo_AUX1_3_1
Smo_AUX1_12_1
Smo_AUX1_26_1 Smo_AUX1_33_2
Smo_AUX1_27_1
Smo_AUX1_23_1
Smo_AUX1_13_1
Smo_AUX1_32_1 Smo_AUX1_6_1
Ppa_AUX1_6_2
Ppa_AUX1_5_1
Ppa_AUX1_4_1
Ppa_AUX1_1_1
AAK58522 Populus tremula x Populus tremuloides putative AUX1-like permease
Q8L883 Medicago truncatula AAM55306 LAX5_MEDTR Auxin transporter-like protein 5 (AUX1-like protein 5) (MtLAX5)/auxin influx carrier protein
AT2G21050 = NP_179701 Q9SB36 AAD29811 CAB45643 AAK96875 AAM91114 amino acid permease/transporter /LAX2_ARATH Auxin transporter-like protein 2 (AUX1-like protein 2)/AUX1-like amino acid permease /putative AUX1-like permease /AUX1-like amino acid perm
NP_919826 Oryza sativa (japonica cultivar-group) Q7XGU4 Oryza sativa AAK91876 AAP52113 Oryza sativa (japonica cultivar-group) putative AUX1-like permease/LAX3_ORYSA Auxin transporter-like protein 3/Putative AUX1-like permease /Transmembrane amino
CAB65535 Zea mays AUX1 protein
Q53JG7 Oryza sativa AAX93011 Oryza sativa (japonica cultivar-group) ABA91603 LAX4_ORYSA Putative auxin transporter-like protein 4/probable AUX1-like permease, 10674-8589 /AUX1-like permease,
Q9FEL6 Medicago truncatula CAC12997 AAM55303 LAX3_MEDTR Auxin transporter-like protein 3 (AUX1-like protein 3) (MtLAX3)/putative AUX1-like permease /auxin influx carrier protein
CAJ84440 Lupinus albus auxin influx carrier
AT1G77690 = NP_177892 Q9CA25 AAG51630 AAL06925 AAN02284 AAP37659 amino acid permease/transporter /LAX3_ARATH Auxin transporter-like protein 3 (AUX1-like protein 3)/putative AUX1-like permease; 10674-8589 /At1g77690/T32E8_2 /putative AUX1-like permea
AT5G01240 = NP_195744 NP_974719 Q5LFB2 CAB69852 transporter/unknown protein /LAX1_ARATH Auxin transporter-like protein 1 (AUX1-like protein 1)/LAX1 /AUX1-like permease
CAB55758 Arabidopsis thaliana putative AUX1-like permease
BAC41318 Cucumis sativus AUX1-like auxin transport protein
AAQ08856 Momordica charantia influx carrier-like protein 2
NP_915556 Oryza sativa (japonica cultivar-group) Q5N892 Oryza sativa BAD82311 Oryza sativa (japonica cultivar-group) BAD82312 putative AUX1-like permease/LAX1_ORYSA Auxin transporter-like protein 1/putative AUX1-like permease /putative AUX1-like
Q688J2 Oryza sativa AAU10758 Oryza sativa (japonica cultivar-group) LAX2_ORYSA Auxin transporter-like protein 2/putative AUX1-like permease
Q9FEL8 Medicago truncatula CAC12995 AAM55302 LAX1_MEDTR Auxin transporter-like protein 1 (AUX1-like protein 1) (MtLAX1)/putative AUX1-like permease /auxin influx carrier protein
AAG17171 Populus tremula x Populus tremuloides putative AUX1-like permease
AAQ08857 Momordica charantia auxin influx carrier-like protein 3
AAQ08855 Momordica charantia auxin influx carrier-like protein 1
Q8L884 Medicago truncatula AAM55305 LAX4_MEDTR Auxin transporter-like protein 4 (AUX1-like protein 4) (MtLAX4)/auxin influx carrier protein
CAJ84439 Dianthus caryophyllus auxin influx carrier
Q9FEL7 Medicago truncatula CAC12996 AAM55304 LAX2_MEDTR Auxin transporter-like protein 2 (AUX1-like protein 2) (MtLAX2)/putative AUX1-like permease /auxin influx carrier protein
BAC98948 Pisum sativum AUX1-like auxin influx carrier protein
AAF21982 Populus tremula x Populus tremuloides AUX1-like protein
AAR18696 Populus tomentosa AAW57318 auxin transporter protein 1/auxin influx protein
CAA05895 Prunus avium putative auxin influx carrier protein
AT2G38120 = NP_565882 Q96247 CAA67308 AAC27161 AAK96679 AAM13299 AAM64652 AUX1 (AUXIN RESISTANT 1); amino acid permease/transporter /AUX1_ARATH Auxin transporter protein 1 (Auxin influx carrier protein 1) (Polar auxin transport inhibitor resistant p
XP_806559 Trypanosoma cruzi strain CL Brener AAS47053 Trypanosoma cruzi EAN84708 amino acid transporter/putative amino acid transporter PAT5 /amino acid transporter, putative
XM470857 Xenopus laevis MGC84608 protein
XP_792371 Strongylocentrotus purpuratus PREDICTED: similar to solute carrier family 36 member 1
XP_798122 Strongylocentrotus purpuratus PREDICTED: similar to proton/amino acid transporter 4
XP_394217 Apis mellifera PREDICTED: similar to ENSANGP00000014772
Ppa_AUX1_16_1
Ppa_AUX1_3_1
Smo_AUX1_69_1
XP_477191 Oryza sativa (japonica cultivar-group) putative amino acid transport protein
CAB83705 Tetrahymena thermophila SB210 Transmembrane amino acid transporter protein
0.100