

Supplementary Table S11. Statistics of conserved amino acid sites in the four screened gene families.

NCS	catalytic determinants	key residues	NMCH	catalytic determinants	key residues
00132_TRINITY_DN12022_c0_g1_i4.p1	3	3	00132_TRINITY_DN11945_c0_g1_i1.p1	1	2
00132_TRINITY_DN37015_c0_g1_i1.p1	2	1	00132_TRINITY_DN8020_c0_g1_i1.p1	1	1
00210_TRINITY_DN14315_c2_g5_i1.p1	3	3	00210_TRINITY_DN12702_c3_g1_i1.p1	1	1
00210_TRINITY_DN9155_c0_g1_i1.p1	2	4	00210_TRINITY_DN5988_c0_g1_i1.p1	1	1
00626_TRINITY_DN14713_c2_g1_i1.p1	2	2	00210_TRINITY_DN8614_c0_g1_i1.p1	1	2
00888_TRINITY_DN13658_c0_g1_i1.p1	3	4	00888_TRINITY_DN43456_c0_g1_i1.p1	1	2
00888_TRINITY_DN13658_c0_g2_i1.p1	3	4	00910_TRINITY_DN127643_c0_g1_i1.p1	1	1
00888_TRINITY_DN6856_c0_g1_i1.p1	2	2	00910_TRINITY_DN25506_c0_g1_i1.p1	1	2
00910_TRINITY_DN20272_c0_g1_i1.p1	2	2	00910_TRINITY_DN33781_c0_g1_i1.p1	1	1
00910_TRINITY_DN28856_c0_g1_i1.p1	3	6	01159_TRINITY_DN10479_c0_g1_i1.p1	1	2
01159_TRINITY_DN8608_c0_g1_i1.p1	3	4	01159_TRINITY_DN10879_c0_g1_i1.p1	1	1
01205_TRINITY_DN13221_c1_g1_i1.p1	3	6	01159_TRINITY_DN6348_c0_g2_i1.p1	1	2
01205_TRINITY_DN597_c0_g2_i1.p1	3	3	01205_TRINITY_DN14006_c1_g3_i5.p1	0	0
01207_TRINITY_DN21271_c1_g1_i6.p1	3	4	07839_TRINITY_DN17384_c0_g1_i2.p1	0	1
01207_TRINITY_DN21271_c1_g3_i1.p1	3	6	07887_TRINITY_DN9364_c0_g1_i1.p1	1	1
01207_TRINITY_DN31359_c0_g1_i1.p1	2	2	07897_TRINITY_DN18810_c1_g1_i1.p1	1	1
01207_TRINITY_DN6838_c0_g1_i3.p1	2	2	07963_TRINITY_DN35137_c0_g1_i2.p1	0	0
07839_TRINITY_DN18498_c3_g8_i1.p1	2	3	07968_TRINITY_DN30188_c0_g3_i1.p1	1	0
07886_TRINITY_DN15362_c0_g1_i2.p1	2	3	07969_TRINITY_DN39230_c3_g2_i1.p1	1	1
07897_TRINITY_DN15886_c1_g1_i1.p1	2	2	07969_TRINITY_DN39300_c0_g1_i1.p1	1	2
07897_TRINITY_DN16560_c0_g1_i1.p1	3	6	07985_TRINITY_DN11006_c0_g1_i1.p1	1	1
07897_TRINITY_DN16560_c0_g2_i1.p1	3	6	07985_TRINITY_DN11907_c0_g1_i1.p1	1	2
07897_TRINITY_DN16945_c0_g2_i1.p1	2	0	07985_TRINITY_DN16657_c0_g1_i1.p1	1	1
07963_TRINITY_DN37625_c1_g1_i2.p1	3	6	08047_TRINITY_DN11920_c0_g1_i1.p1	1	2
07963_TRINITY_DN37625_c1_g2_i1.p1	3	6	08047_TRINITY_DN34707_c0_g1_i1.p1	1	1
07968_TRINITY_DN30750_c0_g1_i1.p1	3	6	08105_TRINITY_DN11415_c0_g1_i1.p1	1	1
07968_TRINITY_DN30750_c0_g2_i1.p1	3	6	08105_TRINITY_DN18012_c1_g1_i1.p1	1	1
07969_TRINITY_DN38223_c1_g3_i2.p1	3	6	08177_TRINITY_DN11408_c2_g2_i1.p1	1	1
07969_TRINITY_DN38223_c1_g5_i2.p1	3	6	08177_TRINITY_DN12792_c0_g1_i1.p1	1	1
07970_TRINITY_DN47152_c1_g1_i1.p1	3	6	08256_TRINITY_DN20513_c0_g2_i1.p1	1	1
07985_TRINITY_DN10460_c0_g1_i1.p1	2	2	08260_TRINITY_DN16710_c0_g2_i3.p1	1	1
07985_TRINITY_DN15421_c4_g1_i1.p1	3	6	08260_TRINITY_DN9895_c0_g1_i1.p1	1	1
07985_TRINITY_DN15421_c4_g2_i1.p1	3	6	08394_TR40534 c1_g1_i2.p1	1	1
08013_TRINITY_DN10565_c0_g3_i1.p1	2	3	08394_TR51061 c0_g1_i1.p1	1	1
08013_TRINITY_DN15006_c2_g2_i1.p1	3	2	08424_TR49739 c0_g4_i2.p1	1	1
08013_TRINITY_DN40858_c0_g1_i1.p1	2	2	08424_TR78865 c0_g1_i1.p1	1	1
08047_TRINITY_DN15814_c0_g1_i1.p1	2	2	08455_TR26183 c0_g1_i2.p1	1	1
08047_TRINITY_DN15863_c0_g1_i1.p1	3	6	08514A_TRINITY_DN11584_c0_g1_i1.p1	1	1
08047_TRINITY_DN15863_c0_g2_i1.p1	3	6	08580A_TRINITY_DN115407_c0_g1_i1.p1	0	1
08047_TRINITY_DN16403_c0_g3_i1.p1	2	0	08580A_TRINITY_DN4667_c0_g1_i1.p1	0	0
08059_TRINITY_DN10013_c0_g1_i1.p1	2	2	08734A_TR15739 c0_g1_i2.p1	0	0
08059_TRINITY_DN19066_c0_g2_i2.p1	3	4	08894A_TR31472 c0_g1_i1.p1	1	2
08059_TRINITY_DN41138_c0_g1_i1.p1	2	2	08894A_TR49557 c0_g1_i1.p1	1	1
08105_TRINITY_DN15772_c0_g2_i2.p1	3	4	08895A_TRINITY_DN1685_c0_g1_i2.p1	1	1
08105_TRINITY_DN19195_c3_g3_i1.p1	3	5	08895A_TRINITY_DN2340_c0_g2_i1.p1	1	2
08177_TRINITY_DN14448_c3_g3_i1.p1	3	6	08895A_TRINITY_DN4813_c1_g1_i3.p1	1	1
08177_TRINITY_DN14821_c1_g1_i2.p1	2	2	08914A_TR77611 c3_g1_i1.p1	1	2
08256_TRINITY_DN20090_c0_g1_i2.p1	2	3	08914A_TR9409 c0_g1_i1.p1	1	1
08260_TRINITY_DN24240_c0_g1_i1.p1	2	0	08951A_TRINITY_DN12757_c0_g1_i3.p1	1	1
08260_TRINITY_DN2953_c0_g1_i1.p1	3	6	08951A_TRINITY_DN1279_c0_g1_i2.p1	1	2
08260_TRINITY_DN41976_c0_g1_i1.p1	2	2	08951A_TRINITY_DN12949_c0_g1_i1.p1	1	2
08514A_TRINITY_DN735_c0_g1_i1.p1	3	6	08951A_TRINITY_DN18856_c3_g1_i1.p1	1	1
08580A_TRINITY_DN4718_c0_g1_i1.p1	2	2	09154A_TRINITY_DN16757_c2_g7_i2.p1	1	1
08580A_TRINITY_DN519_c0_g1_i2.p1	2	2	09154A_TRINITY_DN6495_c0_g1_i1.p1	1	1
08734A_TR13032 c0_g2_i1.p1	3	6	09155A_TRINITY_DN15953_c0_g1_i3.p1	1	1
08771A_TR3568 c0_g2_i1.p1	2	1	09155A_TRINITY_DN19942_c1_g3_i1.p1	1	1
08771A_TR56182 c0_g1_i1.p1	2	3	09155A_TRINITY_DN21421_c0_g1_i1.p1	1	2
08784_TR43695 c5_g2_i1.p1	2	3	09161A_TRINITY_DN16030_c0_g2_i1.p1	1	1
08889A_TR28102 c0_g1_i1.p1	2	2	09265A_TRINITY_DN2041_c0_g2_i1.p1	1	1
08889A_TR498 c0_g1_i1.p1	2	2	09265A_TRINITY_DN7218_c0_g1_i1.p1	1	1
08889A_TR50814 c0_g1_i1.p1	2	3	09383_TR19052 c0_g1_i2.p1	0	0
08889A_TR51701 c0_g1_i1.p1	3	5	09383_TR34428 c0_g1_i1.p1	1	2
08894A_TR26122 c0_g1_i1.p1	2	2	09679_TR11189 c0_g1_i1.p1	1	1
08894A_TR31016 c0_g1_i1.p1	3	3	09688_TR13332 c0_g1_i1.p1	1	1
08894A_TR35518 c0_g1_i1.p1	2	0	09688_TR46045 c1_g1_i2.p1	1	1
08894A_TR43283 c1_g1_i2.p1	3	6	09688_TR7397 c0_g1_i1.p1	1	2
08894A_TR74999 c0_g1_i1.p1	2	2	09701_TR42203 c0_g1_i1.p1	1	2
08894A_TR74999 c0_g2_i1.p1	2	2	09701_TR64512 c0_g2_i1.p1	1	1
08895A_TRINITY_DN2870_c0_g1_i4.p1	3	6	09701_TR86105 c0_g1_i1.p1	1	1
08895A_TRINITY_DN3390_c2_g1_i4.p1	2	0	09705_TR10672 c2_g2_i2.p1	1	1
08895A_TRINITY_DN3637_c0_g1_i1.p1	2	2	09714_TR27336 c1_g2_i4.p1	1	1
08895A_TRINITY_DN43328_c0_g1_i1.p1	2	2	09714_TR31943 c0_g1_i1.p1	1	1

08895A_TRINITY_DN55047_c0_g1_i1.p1	2	1	09714_TR45045 c0_g2_i1.p1	1	2
08914A_TR30840 c0_g1_i1.p1	2	1	09724_TR41886 c0_g2_i1.p1	1	1
08914A_TR47337 c0_g1_i2.p1	3	6	09724_TR75683 c0_g1_i1.p1	1	1
08914A_TR59864 c0_g1_i1.p1	2	2	09747_TR57829 c0_g1_i1.p1	1	2
08914A_TR68099 c0_g1_i1.p1	2	0	09747_TR80603 c0_g1_i1.p1	1	1
08914A_TR74606 c0_g1_i1.p1	3	3	09748_TR53831 c0_g1_i1.p1	1	1
08925A_TRINITY_DN10594_c0_g1_i1.p1	2	1	09748_TR6921 c0_g1_i1.p1	1	2
08925A_TRINITY_DN22156_c0_g1_i2.p1	3	6	09751_TR62243 c0_g1_i1.p1	1	1
08925A_TRINITY_DN43164_c0_g1_i1.p1	2	2	09757_TR26762 c0_g1_i1.p1	1	2
08951A_TRINITY_DN11363_c0_g2_i1.p1	2	2	09757_TR38032 c1_g1_i1.p1	1	1
08951A_TRINITY_DN14625_c2_g2_i4.p1	3	6	09766_TR31451 c0_g1_i1.p1	1	1
08951A_TRINITY_DN1507_c0_g1_i1.p1	3	2	09766_TR69750 c0_g1_i1.p1	1	2
09032A_TRINITY_DN10450_c0_g1_i1.p1	2	6	09767_TR52361 c0_g1_i1.p1	1	1
09032A_TRINITY_DN17571_c0_g1_i1.p1	2	3	09772_TR5010 c0_g1_i1.p1	1	1
09032A_TRINITY_DN64059_c0_g1_i1.p1	2	2	09773_TR40783 c0_g1_i1.p1	1	2
09154A_TRINITY_DN15796_c0_g1_i1.p1	3	6	09773_TR44434 c0_g1_i1.p1	1	1
09154A_TRINITY_DN17842_c1_g5_i3.p1	2	2	09823_TR9166 c0_g3_i1.p1	1	1
09154A_TRINITY_DN4106_c0_g1_i1.p1	3	3	10378A_TRINITY_DN9286_c0_g1_i1.p1	1	1
09155A_TRINITY_DN20512_c2_g1_i1.p1	3	6	10465A_TRINITY_DN10890_c1_g1_i1.p1	1	1
09155A_TRINITY_DN20512_c2_g2_i2.p1	3	6	10478A_TRINITY_DN22671_c0_g1_i3.p1	1	1
09155A_TRINITY_DN46432_c0_g1_i1.p1	3	2	10583A_TRINITY_DN19290_c0_g1_i3.p1	1	1
09155A_TRINITY_DN7885_c0_g2_i1.p1	2	2	10669A_TRINITY_DN17586_c0_g1_i2.p1	1	2
09161A_TRINITY_DN19521_c2_g2_i7.p1	3	6	10681A_TRINITY_DN10_c1_g2_i8.p1	1	1
09161A_TRINITY_DN19944_c0_g1_i1.p1	3	3	10681A_TRINITY_DN111073_c0_g1_i1.p1	1	1
09161A_TRINITY_DN22679_c1_g2_i2.p2	2	2	11097A_TRINITY_DN15915_c0_g1_i2.p1	1	0
09265A_TRINITY_DN313712_c0_g1_i1.p1	3	3	11110A_TRINITY_DN78180_c0_g1_i1.p1	1	1
09383_TR7087 c0_g1_i2.p1	3	6	11113A_TRINITY_DN107255_c0_g1_i1.p1	1	2
09404_TR60549 c0_g1_i1.p1	2	2	11140A_TRINITY_DN31357_c0_g1_i5.p1	1	1
09679_TR1151 c5_g1_i1.p1	3	6	11264A_TRINITY_DN24043_c0_g1_i1.p1	1	1
09679_TR21947 c0_g1_i1.p1	2	1	11296A_TRINITY_DN23494_c0_g8_i1.p1	1	2
09688_TR15775 c0_g1_i1.p1	3	6	11296A_TRINITY_DN24059_c1_g1_i4.p1	1	1
09688_TR51261 c0_g1_i1.p1	2	2	11326A_TRINITY_DN15040_c0_g1_i3.p1	1	1
09688_TR5574 c0_g1_i1.p1	3	3	11539A_TRINITY_DN12647_c0_g1_i3.p1	1	1
09688_TR70112 c1_g1_i1.p1	3	6	11539A_TRINITY_DN12647_c0_g2_i1.p1	1	1
09701_TR32517 c0_g1_i1.p1	2	2	11539A_TRINITY_DN16487_c0_g1_i6.p1	0	0
09701_TR41496 c1_g1_i2.p1	2	0	11578B_TRINITY_DN16395_c1_g8_i2.p1	1	1
09701_TR41551 c0_g1_i1.p1	3	3	11648B_TRINITY_DN18622_c0_g2_i1.p1	1	1
09701_TR53266 c3_g1_i2.p1	3	6	11648B_TRINITY_DN19244_c0_g2_i2.p1	1	2
09705_TR42216 c0_g1_i1.p1	2	3	11648B_TRINITY_DN9163_c0_g1_i1.p1	1	2
09705_TR51589 c0_g1_i3.p1	2	1	12140A_TRINITY_DN18032_c0_g5_i1.p1	1	1
09714_TR22442 c0_g1_i1.p1	2	0	12140A_TRINITY_DN18349_c0_g1_i3.p1	1	2
09714_TR73079 c0_g2_i2.p1	3	6	12140A_TRINITY_DN25114_c0_g1_i1.p1	1	2
09714_TR73079 c0_g3_i1.p1	3	6	12225A_TRINITY_DN14932_c0_g1_i1.p1	1	1
09714_TR73098 c0_g1_i1.p1	3	3	12225A_TRINITY_DN14932_c0_g2_i4.p1	1	1
09724_TR15108 c3_g4_i3.p2	2	2	12225A_TRINITY_DN19603_c0_g3_i3.p1	1	2
09724_TR24879 c0_g1_i1.p1	2	2	12225A_TRINITY_DN9000_c0_g1_i1.p1	1	2
09724_TR32797 c0_g1_i1.p1	3	4	12310A_TRINITY_DN26027_c0_g1_i1.p1	1	1
09724_TR41029 c3_g1_i1.p1	3	6	12517B_TRINITY_DN12052_c0_g3_i2.p1	1	2
09724_TR69833 c0_g1_i1.p1	3	6	12597A_TRINITY_DN21145_c0_g1_i15.p1	1	1
09747_TR24120 c1_g1_i1.p1	3	6	12603A_TRINITY_DN28029_c0_g1_i1.p1	0	0
09748_TR53243 c0_g1_i1.p1	3	6	12619A_TRINITY_DN12901_c0_g1_i8.p1	1	1
09748_TR53243 c0_g2_i1.p1	3	6	12619A_TRINITY_DN4580_c0_g1_i9.p1	1	1
09757_TR18220 c1_g8_i1.p1	3	6	12621A_TRINITY_DN601_c0_g1_i7.p1	1	1
09757_TR18220 c1_g9_i1.p1	3	6	12652A_TRINITY_DN9564_c0_g1_i1.p1	1	1
09757_TR37350 c1_g1_i1.p1	2	2	12674A_TRINITY_DN436_c0_g3_i1.p1	1	1
09757_TR44577 c0_g2_i1.p1	2	0	12695A_TRINITY_DN106046_c0_g1_i1.p1	1	1
09757_TR49397 c0_g4_i1.p1	2	2	12695A_TRINITY_DN106046_c0_g1_i1.p2	1	1
09757_TR77039 c0_g2_i1.p1	3	3	12699A_TRINITY_DN10080_c0_g1_i11.p1	1	0
09767_TR43514 c0_g1_i5.p1	3	6	12730A_TRINITY_DN23996_c0_g1_i4.p1	0	0
09772_TR6508 c1_g2_i5.p1	3	6	12731A_TRINITY_DN58757_c0_g2_i1.p1	1	1
09773_TR27200 c0_g3_i1.p1	3	6	12739A_TRINITY_DN464_c0_g1_i1.p1	1	1
09823_TR22331 c0_g1_i1.p1	2	0	12745A_TRINITY_DN5003_c0_g1_i1.p1	1	1
09823_TR35012 c0_g1_i1.p1	2	2	12753A_TRINITY_DN6065_c0_g1_i4.p1	1	1
09823_TR35961 c0_g1_i1.p1	3	3	12754A_TRINITY_DN5201_c0_g1_i1.p1	1	1
09823_TR39841 c1_g28_i1.p1	3	5	12779A_TRINITY_DN106502_c1_g1_i7.p1	0	1
09823_TR55400 c0_g1_i1.p1	3	4	12779A_TRINITY_DN4525_c0_g1_i5.p1	1	1
09826_TR29496 c0_g1_i1.p1	2	3	12787A_TRINITY_DN10186_c0_g1_i5.p2	0	0
10378A_TRINITY_DN19656_c3_g3_i5.p1	3	6	12803A_TRINITY_DN1127_c0_g1_i4.p1	1	1
10378A_TRINITY_DN2536_c0_g2_i1.p1	3	3	12803A_TRINITY_DN77113_c0_g1_i1.p1	1	0
10465A_TRINITY_DN12817_c1_g2_i2.p1	3	6	12807A_TRINITY_DN1697_c0_g1_i2.p1	1	1
10465A_TRINITY_DN12817_c1_g3_i1.p1	3	3	12823A_TRINITY_DN2831_c0_g1_i3.p1	1	1
10465A_TRINITY_DN12817_c1_g6_i1.p1	3	4	12876A_TRINITY_DN31336_c0_g1_i1.p1	1	0
10465A_TRINITY_DN12817_c1_g8_i1.p1	3	4	12909A_TRINITY_DN2148_c0_g2_i1.p1	1	1
10465A_TRINITY_DN14419_c0_g1_i1.p1	3	3	12919A_TRINITY_DN9243_c0_g1_i1.p1	1	1
10465A_TRINITY_DN7301_c0_g1_i1.p1	2	1	12926A_TRINITY_DN1305_c0_g1_i3.p1	1	1
10478A_TRINITY_DN24996_c0_g2_i1.p1	3	6	12960A_TRINITY_DN2234_c0_g1_i11.p1	1	0
10499A_TRINITY_DN104_c0_g1_i21.p1	2	3	12974A_TRINITY_DN14104_c0_g1_i2.p1	1	1

10499A_TRINITY_DN104_c0_g1_i21.p2	2	3	12974A_TRINITY_DN3234_c0_g1_i2.p1	0	1
10499A_TRINITY_DN169659_c0_g1_i1.p1	3	6	12985A_TRINITY_DN15922_c0_g1_i3.p1	1	2
10583A_TRINITY_DN3126_c0_g1_i1.p1	2	3	12998A_TRINITY_DN13466_c0_g1_i6.p1	1	1
10583A_TRINITY_DN3237_c0_g1_i1.p2	3	5	13004A_TRINITY_DN8360_c0_g1_i1.p1	1	1
10661A_TRINITY_DN13647_c0_g1_i1.p1	3	2	13008A_TRINITY_DN71591_c0_g1_i4.p1	1	1
10661A_TRINITY_DN210010_c0_g1_i1.p1	2	2	13062A_TRINITY_DN106204_c0_g1_i1.p1	0	1
10669A_TRINITY_DN16028_c0_g1_i2.p1	2	3	13062A_TRINITY_DN106204_c0_g1_i1.p2	0	1
10669A_TRINITY_DN290_c0_g1_i3.p1	3	6	13062A_TRINITY_DN14324_c0_g1_i12.p1	1	1
10669A_TRINITY_DN7156_c0_g1_i1.p1	2	2	13062A_TRINITY_DN16667_c0_g1_i2.p1	1	2
10681A_TRINITY_DN3741_c0_g1_i4.p1	3	6	13062A_TRINITY_DN67_c0_g1_i2.p1	1	1
10742A_TRINITY_DN26510_c0_g1_i1.p1	3	2	13066A_TRINITY_DN12841_c0_g1_i2.p1	1	1
11097A_TRINITY_DN20419_c0_g1_i1.p1	2	3	13066A_TRINITY_DN26979_c0_g1_i1.p1	1	2
11097A_TRINITY_DN65642_c0_g2_i1.p1	2	2	13089A_TRINITY_DN9261_c0_g1_i3.p1	1	2
11097A_TRINITY_DN83020_c0_g1_i1.p1	3	4	13097A_TRINITY_DN3134_c0_g1_i1.p1	0	1
11110A_TRINITY_DN17432_c0_g2_i1.p1	2	2	13134A_TRINITY_DN21601_c0_g1_i8.p1	0	0
11110A_TRINITY_DN62182_c0_g1_i1.p1	3	4	13137A_TRINITY_DN26253_c0_g1_i9.p1	0	1
11113A_TRINITY_DN32501_c0_g1_i1.p1	3	6	13137A_TRINITY_DN5092_c0_g1_i3.p1	0	1
11113A_TRINITY_DN4402_c0_g1_i1.p1	2	3	13140A_TRINITY_DN12957_c0_g1_i1.p1	1	1
11113A_TRINITY_DN51051_c0_g1_i1.p1	2	2	13163A_TRINITY_DN21024_c0_g1_i5.p1	1	1
11140A_TRINITY_DN12703_c0_g1_i2.p1	2	2	13165A_TRINITY_DN16469_c0_g1_i3.p1	1	1
11140A_TRINITY_DN14960_c0_g1_i2.p1	3	4	13196A_TRINITY_DN20111_c0_g1_i5.p1	1	1
11140A_TRINITY_DN1560_c0_g1_i1.p1	2	2	13202A_TRINITY_DN20199_c0_g1_i9.p1	1	2
11140A_TRINITY_DN1560_c0_g2_i1.p1	2	2	13214A_TRINITY_DN1395_c0_g2_i1.p1	0	0
11140A_TRINITY_DN4348_c0_g1_i2.p1	3	5	13214A_TRINITY_DN1395_c0_g3_i1.p1	1	1
11140A_TRINITY_DN4348_c2_g1_i2.p1	3	5	13216A_TRINITY_DN1291_c0_g1_i6.p1	1	2
11140A_TRINITY_DN65185_c0_g1_i1.p1	3	4	13216A_TRINITY_DN5117_c0_g1_i8.p1	0	0
11296A_TRINITY_DN17403_c0_g1_i1.p1	3	6	13271A_TRINITY_DN241_c0_g2_i2.p1	1	1
11296A_TRINITY_DN19371_c2_g1_i2.p1	2	0	BN01259_TR32491 c0_g1_i1.p1	1	1
11326A_TRINITY_DN12359_c0_g1_i3.p1	2	2	BN01259_TR39442 c0_g1_i1.p1	1	2
11326A_TRINITY_DN13968_c0_g1_i6.p1	2	1	BN01259_TR40077 c0_g2_i1.p1	1	1
11326A_TRINITY_DN20597_c2_g1_i4.p1	3	6	BN01422_TR35435 c0_g1_i2.p1	1	2
11354B_TRINITY_DN18119_c3_g1_i1.p1	3	2	BN01422_TR79074 c0_g1_i1.p1	1	1
11354B_TRINITY_DN27460_c0_g1_i1.p1	2	2	BN01422_TR97975 c0_g1_i1.p1	1	2
11374B_TRINITY_DN23881_c0_g1_i3.p1	3	4	BN01692_TR17464 c0_g1_i1.p1	1	1
11374B_TRINITY_DN26987_c0_g1_i1.p1	2	2	BN01692_TR34889 c0_g1_i1.p1	1	2
11522A_TRINITY_DN11596_c0_g1_i1.p1	2	2	BN01830_TR2838 c0_g2_i1.p1	1	1
11522A_TRINITY_DN381_c0_g1_i9.p1	3	4	BN01830_TR53465 c0_g1_i1.p1	1	2
11522A_TRINITY_DN4901_c0_g1_i1.p1	2	2	BN01846_TR12921 c0_g1_i1.p1	1	1
11539A_TRINITY_DN104345_c0_g1_i1.p1	2	3	CC00479A_TRINITY_DN12294_c3_g3_i2.p1	1	1
11539A_TRINITY_DN14146_c0_g2_i2.p1	2	2	CC00494A_TRINITY_DN14767_c0_g1_i1.p1	1	1
11539A_TRINITY_DN2320_c0_g1_i10.p1	3	6	CD00559_TR10934 c1_g2_i2.p1	1	1
11539A_TRINITY_DN7144_c0_g1_i4.p1	2	1	CD00559_TR14765 c0_g1_i1.p1	1	1
11539A_TRINITY_DN7354_c0_g1_i3.p1	2	3	CQ00662_TR6783 c0_g1_i1.p1	1	1
11578B_TRINITY_DN13782_c0_g1_i1.p1	2	3	CQ00773_TR15690 c0_g1_i1.p1	1	1
11578B_TRINITY_DN13782_c0_g1_i1.p2	3	5	CQ00776_TR41547 c0_g1_i1.p1	1	2
11648B_TRINITY_DN16696_c0_g2_i1.p1	2	2	CQ00776_TR55823 c1_g1_i2.p1	1	1
11648B_TRINITY_DN5131_c0_g1_i1.p1	2	1	CQ00784_TR26526 c0_g1_i1.p1	1	1
12140A_TRINITY_DN17657_c0_g1_i4.p1	3	2	CQ00784_TR50556 c0_g2_i1.p1	1	1
12140A_TRINITY_DN18905_c1_g1_i2.p1	3	5	CQ00787_TR24472 c0_g3_i1.p1	1	1
12225A_TRINITY_DN10444_c0_g3_i1.p1	2	4	CQ00790_TR41387 c0_g1_i1.p1	1	1
12225A_TRINITY_DN18783_c2_g1_i3.p1	3	3	CQ00790_TR4572 c0_g1_i1.p1	1	1
12267A_TRINITY_DN14170_c0_g1_i1.p1	2	2	CQ00790_TR45776 c0_g1_i1.p1	1	2
12267A_TRINITY_DN15427_c0_g1_i1.p1	2	3	CQ00791_TR25938 c0_g1_i1.p1	1	1
12310A_TRINITY_DN45171_c0_g1_i1.p1	2	2	CQ00838_TR34573 c0_g2_i1.p1	1	1
12517B_TRINITY_DN14617_c0_g2_i6.p1	3	5	CQ00918_TR49821 c0_g1_i1.p1	1	1
12517B_TRINITY_DN14941_c0_g5_i1.p1	3	5	CQ00918_TR63000 c1_g22_i2.p1	1	1
12596A_TRINITY_DN126768_c0_g1_i1.p1	2	2	CQ00918_TR6404 c0_g1_i1.p1	1	2
12597A_TRINITY_DN10905_c0_g1_i12.p1	2	3	CQ00940_TR44716 c1_g2_i1.p1	1	0
12597A_TRINITY_DN115238_c0_g1_i1.p1	2	3	CQ00940_TR66516 c0_g2_i7.p1	1	2
12597A_TRINITY_DN11955_c0_g1_i3.p1	2	2	CQ00940_TR6972 c6_g2_i2.p1	1	2
12603A_TRINITY_DN15775_c0_g1_i2.p1	3	6	CQ00952_TR31146 c0_g1_i2.p1	0	0
12603A_TRINITY_DN17804_c0_g2_i1.p1	2	2	CQ00952_TR9282 c0_g1_i1.p1	1	2
12619A_TRINITY_DN129386_c0_g1_i1.p1	2	0	CQ01025_TR26415 c0_g1_i1.p1	1	1
12619A_TRINITY_DN2572_c0_g1_i1.p1	3	6	CQ01025_TR26415 c0_g2_i1.p1	1	1
12619A_TRINITY_DN2572_c0_g2_i1.p1	3	6	CQ01025_TR49151 c0_g1_i1.p1	1	2
12621A_TRINITY_DN14998_c0_g1_i7.p1	2	2	CQ01025_TR53330 c0_g1_i1.p1	1	1
12623A_TRINITY_DN129961_c0_g1_i1.p1	2	3	CQ01036_TR31476 c0_g2_i1.p1	1	2
12623A_TRINITY_DN6365_c0_g1_i4.p1	2	2	CQ01036_TR37518 c0_g2_i1.p1	1	1
12652A_TRINITY_DN47958_c0_g1_i1.p1	3	2	CQ01036_TR42755 c0_g2_i1.p1	1	1
12652A_TRINITY_DN6485_c0_g1_i2.p1	2	0	CQ01174_TRINITY_DN13585_c0_g5_i2.p1	1	1
12652A_TRINITY_DN8253_c0_g3_i1.p1	3	6	CS00127_TRINITY_DN15024_c1_g3_i1.p1	1	1
12674A_TRINITY_DN11654_c0_g1_i1.p1	2	2	CS00127_TRINITY_DN1822_c0_g1_i1.p1	1	1
12674A_TRINITY_DN15390_c0_g1_i1.p1	3	5	CS00128_TRINITY_DN16893_c2_g3_i2.p1	1	2
12674A_TRINITY_DN161215_c0_g1_i1.p1	2	4	CS00128_TRINITY_DN17835_c0_g2_i1.p1	1	1
12674A_TRINITY_DN20839_c0_g1_i1.p1	3	6	CS00128_TRINITY_DN17835_c0_g3_i1.p1	1	1
12695A_TRINITY_DN1098_c0_g1_i1.p1	2	2	CS00131_TRINITY_DN16028_c1_g1_i3.p1	1	1
12699A_TRINITY_DN7774_c0_g1_i1.p1	3	4	CS00131_TRINITY_DN9641_c0_g1_i1.p1	1	2

12699A_TRINITY_DN8544_c0_g2_i1.p1	2	0	CS00280_TRINITY_DN10217_c0_g1_i1.p1	1	1
12730A_TRINITY_DN100592_c0_g1_i1.p1	2	3	CS00280_TRINITY_DN10740_c0_g1_i1.p1	1	2
12730A_TRINITY_DN20835_c0_g1_i1.p1	3	6	CS00280_TRINITY_DN15782_c0_g1_i5.p1	1	1
12730A_TRINITY_DN71342_c0_g1_i1.p1	3	6	EM00036_TR5683 c0_g1_i1.p1	1	0
12731A_TRINITY_DN10926_c0_g1_i7.p1	3	6	EM00036_TR5683 c0_g2_i1.p1	1	1
12739A_TRINITY_DN103453_c0_g1_i1.p1	2	0	EM00104_TRINITY_DN4134_c0_g1_i1.p1	1	1
12739A_TRINITY_DN11742_c2_g1_i1.p1	2	0	EM00109_TRINITY_DN16006_c0_g1_i4.p1	1	1
12739A_TRINITY_DN466_c0_g1_i4.p1	2	5	EM00156_TR12048 c0_g1_i3.p1	1	2
12739A_TRINITY_DN466_c0_g2_i1.p1	2	1	EM00156_TR13540 c0_g1_i1.p1	1	1
12739A_TRINITY_DN792_c0_g1_i1.p1	3	4	EM00195_TR21775 c0_g1_i1.p1	1	2
12739A_TRINITY_DN93940_c0_g1_i1.p1	2	3	EM00195_TR32260 c0_g1_i1.p1	1	1
12745A_TRINITY_DN15430_c0_g1_i1.p1	2	0	EM00218_TR24145 c0_g1_i1.p1	1	1
12745A_TRINITY_DN1868_c0_g1_i3.p1	3	3	EM00268_TR14894 c0_g1_i2.p1	1	1
12745A_TRINITY_DN31075_c0_g1_i1.p1	3	4	HH01018A_TRINITY_DN11805_c0_g2_i1.p1	0	1
12745A_TRINITY_DN7839_c0_g1_i2.p1	3	5	HH01018A_TRINITY_DN20705_c0_g1_i3.p1	0	0
12746A_TRINITY_DN114032_c0_g1_i1.p1	2	2	HH01018A_TRINITY_DN9754_c0_g1_i3.p1	0	1
12748A_TRINITY_DN10009_c0_g1_i1.p1	2	2	HRB0111B_TRINITY_DN189_c0_g1_i1.p1	1	1
12748A_TRINITY_DN18673_c1_g1_i6.p1	2	3	HRB0111B_TRINITY_DN772_c0_g1_i13.p1	1	1
12748A_TRINITY_DN26148_c0_g1_i1.p1	3	2	HRB0324B_TRINITY_DN3447_c0_g1_i3.p1	0	1
12748A_TRINITY_DN7366_c0_g1_i1.p1	2	1	HRB0324B_TRINITY_DN35_c0_g1_i4.p1	1	1
12753A_TRINITY_DN148392_c0_g1_i1.p1	3	4	SY00867A_TRINITY_DN28468_c0_g1_i1.p1	1	1
12753A_TRINITY_DN5791_c0_g1_i1.p1	2	3	SY00890A_TRINITY_DN33744_c0_g1_i2.p1	1	1
12754A_TRINITY_DN2959_c0_g1_i1.p1	2	2	TLF01005_TRINITY_DN29913_c0_g1_i3.p1	1	1
12779A_TRINITY_DN1165_c0_g1_i7.p1	3	6	TLF01018_TRINITY_DN18007_c0_g1_i2.p1	1	1
12779A_TRINITY_DN13759_c0_g1_i1.p1	2	2	XA00077_TR13655 c0_g1_i1.p1	1	2
12779A_TRINITY_DN23934_c0_g1_i5.p1	2	0	XA00077_TR59154 c0_g1_i1.p1	1	1
12787A_TRINITY_DN11019_c0_g2_i2.p1	2	2	XA00201_TRINITY_DN37458_c0_g1_i1.p1	1	1
12787A_TRINITY_DN1990_c0_g1_i1.p1	2	2	XA00224_TRINITY_DN3202_c0_g1_i3.p1	1	2
12787A_TRINITY_DN25639_c0_g1_i2.p1	3	4	XA00224_TRINITY_DN35011_c0_g2_i3.p1	1	1
12794A_TRINITY_DN10425_c0_g1_i6.p1	2	1	XA00244_TRINITY_DN1391_c0_g1_i3.p1	0	1
12803A_TRINITY_DN11708_c0_g1_i7.p1	2	2	XA00244_TRINITY_DN7186_c0_g1_i1.p1	1	1
12803A_TRINITY_DN15420_c0_g1_i8.p1	3	5	XA00278_TRINITY_DN12666_c0_g1_i1.p1	1	1
12803A_TRINITY_DN41165_c0_g1_i4.p1	3	3	XA00577_TR14740 c1_g1_i1.p1	1	1
12807A_TRINITY_DN100_c0_g1_i3.p1	2	2	XA00577_TR14740 c1_g2_i1.p1	1	1
12807A_TRINITY_DN35614_c1_g1_i3.p1	3	4	XA00577_TR14740 c1_g3_i1.p1	1	2
12823A_TRINITY_DN10190_c0_g1_i1.p1	2	1	XY00762_TR60389 c0_g1_i1.p1	1	1
12823A_TRINITY_DN12791_c0_g1_i1.p2	3	3	YZ0005_TRINITY_DN6629_c0_g1_i1.p1	0	1
12823A_TRINITY_DN14_c1_g1_i1.p1	3	5	YZ0007_TRINITY_DN1838_c1_g2_i4.p1	1	1
12823A_TRINITY_DN16786_c0_g1_i1.p1	2	2	YZ0009_TRINITY_DN32098_c0_g1_i1.p1	1	1
12823A_TRINITY_DN64811_c0_g1_i1.p1	3	3	YZ0009_TRINITY_DN73_c0_g1_i3.p1	1	2
12823A_TRINITY_DN6583_c0_g1_i1.p1	3	4	YZ0013_TRINITY_DN1251_c0_g3_i2.p1	0	0
12876A_TRINITY_DN1666_c2_g2_i4.p1	2	3	YZ0013_TRINITY_DN1251_c0_g4_i1.p1	1	1
12876A_TRINITY_DN19286_c0_g1_i2.p1	3	5	YZ0016_TRINITY_DN1420_c0_g1_i9.p1	1	1
12876A_TRINITY_DN68880_c0_g1_i3.p1	2	2	YZ0016_TRINITY_DN2374_c0_g1_i9.p1	1	1
12909A_TRINITY_DN729_c0_g1_i3.p1	3	6	YZ0016_TRINITY_DN32508_c0_g1_i5.p1	0	1
12919A_TRINITY_DN19922_c0_g2_i1.p1	2	2	YZ0016_TRINITY_DN4104_c0_g1_i2.p1	1	1
12919A_TRINITY_DN431_c0_g1_i3.p1	3	6	YZ0023_TRINITY_DN1090_c0_g2_i1.p1	1	1
12919A_TRINITY_DN4887_c0_g1_i1.p1	2	3	YZ0023_TRINITY_DN1984_c0_g1_i6.p1	1	1
12926A_TRINITY_DN15377_c1_g1_i1.p1	2	3	YZ0026_TRINITY_DN2111_c0_g2_i2.p1	0	0
12926A_TRINITY_DN541_c0_g1_i2.p1	3	6	YZ0026_TRINITY_DN21925_c0_g1_i1.p1	1	1
12960A_TRINITY_DN2895_c0_g1_i6.p1	2	3	YZ0026_TRINITY_DN35856_c0_g2_i1.p1	0	1
12960A_TRINITY_DN3357_c0_g1_i8.p1	3	6	YZ0027_TRINITY_DN14406_c0_g1_i3.p1	0	1
12960A_TRINITY_DN78669_c0_g1_i2.p1	2	3	YZ0027_TRINITY_DN434_c0_g1_i2.p1	0	1
12960A_TRINITY_DN8644_c0_g1_i4.p1	2	1	YZ0027_TRINITY_DN4991_c0_g1_i1.p1	1	2
12960A_TRINITY_DN8644_c0_g1_i4.p2	2	1	YZ0027_TRINITY_DN8125_c0_g1_i1.p1	1	1
12974A_TRINITY_DN2573_c0_g1_i4.p1	3	6	YZ0027_TRINITY_DN8125_c0_g2_i1.p1	0	0
12985A_TRINITY_DN15858_c0_g1_i1.p1	3	6	YZ0046_TRINITY_DN31838_c0_g1_i2.p1	1	1
12985A_TRINITY_DN5201_c0_g1_i2.p1	2	2	YZ0048_TRINITY_DN126329_c0_g1_i1.p1	1	2
12985A_TRINITY_DN568_c0_g1_i3.p1	2	3	YZ0054_TRINITY_DN1310_c0_g2_i2.p1	0	0
12998A_TRINITY_DN28731_c0_g1_i1.p1	2	2	YZ0055_TRINITY_DN2392_c1_g1_i2.p1	0	0
12999A_TRINITY_DN394_c0_g1_i1.p1	2	2	YZ0063_TRINITY_DN22576_c0_g5_i1.p1	1	1
13004A_TRINITY_DN10077_c0_g1_i2.p1	3	5	YZ0068_TRINITY_DN71134_c0_g1_i1.p1	1	1
13004A_TRINITY_DN6596_c0_g1_i4.p1	3	4	YZ0076_TRINITY_DN7699_c1_g1_i1.p1	1	1
13008A_TRINITY_DN19825_c0_g1_i2.p1	3	6	YZ0079_TRINITY_DN8090_c0_g1_i1.p1	0	0
13008A_TRINITY_DN8958_c0_g1_i9.p2	2	1	YZ0079_TRINITY_DN8583_c1_g2_i1.p1	1	2
13009A_TRINITY_DN1091_c0_g1_i1.p1	2	2	YZ0079_TRINITY_DN9127_c0_g1_i1.p1	1	1
13009A_TRINITY_DN50483_c0_g1_i1.p1	2	2	YZ0116_TRINITY_DN41090_c0_g1_i1.p1	1	1
13009A_TRINITY_DN69484_c0_g1_i1.p1	2	2	YZ0117_TRINITY_DN19789_c0_g1_i1.p1	1	1
13009A_TRINITY_DN9063_c0_g1_i3.p1	3	6	YZ0117_TRINITY_DN19789_c0_g2_i1.p1	0	1
13016A_TRINITY_DN112813_c0_g1_i1.p1	2	3	YZ0117_TRINITY_DN60022_c0_g1_i1.p1	1	0
13031A_TRINITY_DN246_c0_g1_i1.p1	2	3	YZ0119_TRINITY_DN21362_c0_g1_i1.p1	1	1
13031A_TRINITY_DN831_c0_g1_i1.p1	2	2			
13062A_TRINITY_DN22899_c0_g1_i2.p1	2	1			
13062A_TRINITY_DN4326_c0_g1_i1.p1	2	2			
13062A_TRINITY_DN7333_c0_g1_i1.p1	3	6			
13063A_TRINITY_DN20368_c0_g1_i3.p1	2	3			
13063A_TRINITY_DN95750_c0_g1_i1.p1	2	2			

13066A_TRINITY_DN283_c0_g1_i3.p1	2	3
13088A_TRINITY_DN59967_c0_g1_i1.p1	3	4
13088A_TRINITY_DN7008_c0_g1_i1.p1	2	2
13089A_TRINITY_DN17846_c0_g1_i1.p1	3	6
13089A_TRINITY_DN85106_c0_g1_i1.p1	2	1
13089A_TRINITY_DN9269_c0_g1_i6.p1	2	2
13134A_TRINITY_DN50114_c0_g1_i1.p1	2	3
13134A_TRINITY_DN6034_c0_g1_i1.p1	3	6
13134A_TRINITY_DN9564_c0_g1_i9.p1	2	3
13134A_TRINITY_DN9564_c0_g2_i7.p1	2	3
13137A_TRINITY_DN2276_c0_g1_i3.p1	2	3
13137A_TRINITY_DN9221_c0_g1_i6.p1	3	6
13140A_TRINITY_DN12436_c0_g2_i5.p1	2	2
13140A_TRINITY_DN6235_c0_g1_i8.p1	3	6
13143A_TRINITY_DN1117_c0_g1_i1.p1	3	1
13143A_TRINITY_DN16963_c0_g1_i1.p1	3	6
13143A_TRINITY_DN8441_c0_g2_i2.p1	2	2
13163A_TRINITY_DN2338_c0_g1_i5.p1	3	5
13163A_TRINITY_DN29054_c0_g1_i2.p1	1	5
13165A_TRINITY_DN12089_c0_g1_i2.p1	3	6
13165A_TRINITY_DN16418_c0_g2_i1.p1	2	1
13165A_TRINITY_DN19247_c0_g1_i5.p1	3	1
13182A_TRINITY_DN15368_c0_g1_i1.p1	0	3
13182A_TRINITY_DN3236_c0_g1_i1.p1	2	2
13182A_TRINITY_DN3236_c0_g2_i1.p1	2	2
13182A_TRINITY_DN4011_c0_g1_i4.p1	2	2
13182A_TRINITY_DN48477_c0_g1_i1.p1	3	4
13196A_TRINITY_DN3199_c1_g1_i3.p1	3	5
13202A_TRINITY_DN149681_c0_g1_i1.p1	2	3
13202A_TRINITY_DN3251_c0_g1_i1.p1	2	3
13202A_TRINITY_DN3251_c0_g2_i1.p1	2	2
13202A_TRINITY_DN4260_c0_g1_i3.p1	2	3
13202A_TRINITY_DN69424_c0_g1_i2.p1	3	1
13214A_TRINITY_DN536_c0_g1_i4.p1	3	5
13214A_TRINITY_DN7699_c1_g2_i1.p1	2	2
13216A_TRINITY_DN13206_c0_g1_i1.p1	2	3
13216A_TRINITY_DN13206_c0_g2_i2.p1	2	3
13216A_TRINITY_DN73175_c0_g1_i1.p1	2	3
13216A_TRINITY_DN772_c0_g1_i4.p1	3	6
13271A_TRINITY_DN6029_c0_g1_i4.p1	3	6
13271A_TRINITY_DN6029_c0_g2_i1.p1	3	6
59_TRINITY_DN7874_c0_g1_i1.p1	2	3
BN01259_TR26546 c0_g1_i1.p1	3	5
BN01259_TR49898 c0_g1_i1.p1	2	2
BN01259_TR51519 c0_g1_i1.p1	3	3
BN01259_TR51519 c0_g3_i1.p1	2	0
BN01259_TR51519 c0_g3_i1.p2	2	0
BN01422_TR101037 c0_g1_i1.p1	3	3
BN01422_TR56454 c0_g1_i1.p1	3	5
BN01422_TR65465 c0_g1_i1.p1	3	4
BN01692_TR14832 c0_g1_i1.p1	2	2
BN01692_TR35 c0_g1_i1.p1	2	1
BN01829_TR1820 c0_g2_i1.p1	2	3
BN01830_TR36421 c0_g1_i1.p1	2	1
BN01830_TR585 c0_g1_i1.p1	2	2
BN01845_TR53327 c0_g1_i1.p1	2	3
BN01845_TR60139 c0_g1_i2.p1	2	2
BN01846_TR23889 c1_g1_i1.p1	2	4
BN01846_TR53992 c0_g1_i1.p1	3	4
BN01846_TR7801 c0_g1_i1.p1	2	2
BN01858_TR13605 c0_g1_i1.p1	2	3
BN01858_TR26056 c0_g1_i1.p1	2	2
BN01859_TR11249 c0_g1_i1.p1	2	3
BN01859_TR58372 c0_g1_i1.p1	2	2
BN01859_TR58372 c0_g2_i1.p1	2	1
BN01922_TR35952 c0_g1_i1.p1	3	5
BN01922_TR911 c0_g1_i1.p1	3	4
BN01922_TR911 c0_g2_i1.p1	3	4
BN01922_TR9167 c0_g1_i1.p1	2	2
CC00440A_TRINITY_DN4323_c0_g1_i1.p1	2	2
CC00440A_TRINITY_DN8977_c0_g1_i1.p1	2	2
CC00446A_TRINITY_DN13321_c0_g1_i1.p1	2	1
CC00446A_TRINITY_DN18212_c0_g2_i3.p1	2	0
CC00479A_TRINITY_DN12280_c0_g1_i2.p1	1	3
CC00479A_TRINITY_DN12280_c1_g1_i1.p1	3	5
CC00479A_TRINITY_DN8934_c0_g1_i2.p1	2	2
CC00494A_TRINITY_DN23027_c2_g1_i1.p1	3	6

CC00505A_TRINITY_DN6700_c0_g1_i1.p1	2	2
CC00505A_TRINITY_DN7844_c0_g1_i1.p1	2	2
CD00559_TR25641 c1_g2_i1.p1	3	6
CD00559_TR30683 c0_g1_i1.p1	2	2
CD00559_TR44343 c0_g1_i1.p1	3	6
CD00559_TR9651 c0_g1_i1.p1	3	3
CQ00662_TR1766 c1_g1_i1.p1	3	5
CQ00662_TR20658 c0_g1_i1.p1	2	1
CQ00662_TR26037 c0_g1_i1.p1	3	2
CQ00662_TR40784 c0_g1_i1.p1	3	2
CQ00773_TR25022 c3_g1_i1.p1	2	0
CQ00773_TR42470 c0_g1_i1.p1	2	2
CQ00773_TR50295 c0_g1_i1.p1	3	3
CQ00773_TR60482 c1_g14_i1.p1	3	6
CQ00776_TR27524 c0_g1_i1.p1	2	2
CQ00776_TR36193 c0_g2_i1.p1	3	6
CQ00776_TR42063 c0_g1_i1.p1	2	0
CQ00776_TR4630 c0_g1_i1.p1	3	3
CQ00776_TR62472 c0_g1_i1.p1	2	1
CQ00784_TR12124 c0_g1_i1.p1	2	1
CQ00784_TR17861 c1_g7_i1.p1	3	1
CQ00784_TR57401 c0_g1_i1.p1	3	6
CQ00787_TR14799 c0_g1_i1.p1	2	2
CQ00787_TR21279 c0_g1_i1.p1	3	5
CQ00787_TR35000 c2_g1_i1.p1	3	4
CQ00787_TR6665 c0_g2_i1.p1	2	0
CQ00790_TR1023 c0_g1_i1.p1	2	6
CQ00790_TR23253 c0_g1_i2.p1	2	3
CQ00790_TR32979 c0_g1_i1.p1	2	2
CQ00790_TR95 c0_g1_i1.p1	3	5
CQ00790_TR9704 c0_g1_i1.p1	2	1
CQ00791_TR11744 c0_g1_i1.p1	2	2
CQ00791_TR25730 c1_g2_i4.p1	2	0
CQ00791_TR6655 c0_g3_i1.p1	3	4
CQ00838_TR1681 c0_g1_i1.p1	2	2
CQ00838_TR17457 c0_g1_i1.p1	3	5
CQ00838_TR26426 c1_g1_i5.p1	2	0
CQ00838_TR32852 c0_g3_i2.p1	2	1
CQ00838_TR38877 c0_g1_i1.p1	2	0
CQ00918_TR12577 c0_g1_i1.p1	3	3
CQ00918_TR19591 c0_g3_i1.p1	3	6
CQ00918_TR31219 c0_g1_i1.p1	2	0
CQ00918_TR64771 c0_g1_i2.p1	2	2
CQ00921_TR11120 c0_g1_i1.p1	3	5
CQ00921_TR34573 c0_g2_i1.p1	3	4
CQ00921_TR54536 c0_g1_i1.p1	2	2
CQ00921_TR56194 c0_g1_i1.p1	2	2
CQ00921_TR6840 c0_g3_i1.p1	3	4
CQ00921_TR998 c0_g1_i2.p1	2	2
CQ00940_TR16150 c0_g1_i1.p1	3	4
CQ00940_TR19133 c1_g1_i2.p1	3	4
CQ00940_TR28766 c0_g1_i1.p1	3	2
CQ00940_TR3299 c0_g1_i1.p1	3	5
CQ00940_TR37977 c0_g1_i1.p1	2	2
CQ00940_TR38769 c0_g3_i1.p1	3	3
CQ00952_TR56590 c0_g1_i3.p1	3	6
CQ01025_TR28258 c0_g1_i1.p1	3	6
CQ01025_TR30842 c0_g1_i1.p1	2	2
CQ01025_TR49167 c0_g1_i1.p1	3	3
CQ01036_TR16661 c0_g1_i1.p1	3	6
CQ01036_TR38115 c0_g1_i1.p1	3	6
CQ01036_TR42307 c1_g1_i1.p1	2	2
CQ01036_TR43589 c0_g1_i1.p1	3	3
CQ01036_TR5231 c0_g1_i1.p1	2	2
CQ01174_TRINITY_DN11875_c0_g1_i1.p1	3	4
CQ01174_TRINITY_DN17970_c1_g2_i2.p1	3	5
CS00127_TRINITY_DN13886_c4_g1_i2.p1	2	2
CS00127_TRINITY_DN15052_c3_g3_i2.p1	3	6
CS00127_TRINITY_DN4784_c0_g1_i1.p1	2	2
CS00128_TRINITY_DN12455_c0_g1_i1.p1	2	2
CS00128_TRINITY_DN12891_c1_g1_i1.p1	3	6
CS00128_TRINITY_DN15725_c1_g1_i1.p1	2	2
CS00128_TRINITY_DN16866_c0_g1_i1.p1	2	0
CS00131_TRINITY_DN12508_c0_g1_i4.p1	2	2
CS00131_TRINITY_DN16899_c1_g2_i2.p1	3	6
CS00131_TRINITY_DN16899_c1_g4_i2.p1	3	6
CS00131_TRINITY_DN28759_c0_g1_i1.p1	3	3

CS00230_TRINITY_DN16111_c3_g2_i3.p1	1	2
CS00280_TRINITY_DN11393_c0_g1_i2.p1	2	2
CS00280_TRINITY_DN12230_c0_g1_i1.p1	3	6
CS00280_TRINITY_DN12230_c0_g2_i2.p1	3	6
CS00280_TRINITY_DN13962_c0_g1_i1.p1	2	0
CS00280_TRINITY_DN30273_c0_g1_i1.p1	3	2
EM00020_TR42937 c0_g1_i1.p1	3	2
EM00020_TR57092 c0_g2_i1.p1	2	3
EM00036_TR13587 c0_g1_i1.p1	3	4
EM00036_TR17831 c0_g1_i5.p1	3	6
EM00036_TR19658 c0_g1_i1.p1	2	1
EM00036_TR25081 c0_g1_i1.p1	2	2
EM00060_TR17338 c0_g1_i1.p1	2	1
EM00060_TR7302 c0_g2_i1.p1	2	3
EM00104_TRINITY_DN1694_c0_g1_i7.p1	3	5
EM00104_TRINITY_DN2172_c0_g1_i1.p1	2	1
EM00105_TRINITY_DN13491_c0_g1_i1.p1	2	2
EM00105_TRINITY_DN47183_c0_g1_i1.p1	2	2
EM00105_TRINITY_DN47183_c0_g2_i2.p1	2	2
EM00109_TRINITY_DN86248_c0_g2_i3.p1	3	6
EM00142_TR1244 c0_g1_i1.p1	3	6
EM00142_TR24962 c0_g1_i1.p1	2	3
EM00142_TR39697 c0_g1_i1.p1	2	2
EM00142_TR6027 c0_g1_i1.p1	3	5
EM00156_TR12008 c1_g1_i1.p1	3	3
EM00156_TR14059 c0_g1_i1.p1	3	5
EM00195_TR13760 c0_g2_i1.p1	3	3
EM00195_TR21370 c0_g1_i1.p1	3	4
EM00195_TR44470 c0_g1_i1.p1	2	2
EM00195_TR717 c0_g2_i1.p1	3	6
EM00195_TR717 c0_g4_i3.p1	3	6
EM00204_TR37300 c0_g1_i1.p1	2	3
EM00204_TR863 c0_g2_i1.p1	2	5
EM00218_TR1481 c0_g1_i2.p1	3	6
EM00218_TR33229 c0_g1_i1.p1	2	3
EM00218_TR33229 c0_g2_i1.p1	2	3
EM00218_TR33229 c0_g3_i1.p1	2	3
EM00244_TR14507 c0_g1_i1.p1	2	3
EM00244_TR22674 c0_g1_i1.p1	2	2
EM00244_TR37628 c0_g1_i2.p1	2	0
EM00244_TR6625 c0_g1_i1.p1	2	2
EM00268_TR14145 c0_g1_i1.p1	2	2
EM00268_TR37360 c1_g1_i1.p1	3	5
EM00268_TR39859 c0_g1_i1.p1	3	4
EM00268_TR724 c2_g37_i2.p1	3	4
EM00268_TR7971 c0_g1_i1.p1	3	3
HH00984A_TRINITY_DN2544_c0_g1_i1.p1	2	2
HH00984A_TRINITY_DN4590_c0_g1_i1.p1	2	1
HH00984A_TRINITY_DN5921_c0_g1_i1.p1	2	2
HH00994A_TRINITY_DN14574_c0_g1_i2.p1	2	2
HH00994A_TRINITY_DN7862_c0_g1_i1.p1	3	4
HH01018A_TRINITY_DN1400_c0_g2_i1.p1	2	2
HH01018A_TRINITY_DN50263_c0_g1_i8.p1	3	6
HH01018A_TRINITY_DN50263_c0_g2_i1.p1	3	6
HRB0047B_TRINITY_DN2644_c0_g1_i2.p1	2	2
HRB0047B_TRINITY_DN67636_c0_g1_i1.p1	3	6
HRB0063B_TRINITY_DN145268_c0_g1_i1.p1	2	2
HRB0063B_TRINITY_DN6791_c0_g1_i1.p1	2	3
HRB0111B_TRINITY_DN105748_c0_g1_i3.p1	3	3
HRB0111B_TRINITY_DN188448_c0_g1_i1.p1	3	3
HRB0204B_TRINITY_DN28332_c0_g1_i5.p1	2	2
HRB0324B_TRINITY_DN142062_c0_g1_i1.p1	2	0
HRB0324B_TRINITY_DN71436_c0_g1_i1.p1	2	2
HRB0324B_TRINITY_DN839_c1_g1_i3.p1	3	6
SY00867A_TRINITY_DN1566_c0_g1_i6.p1	3	5
SY00890A_TRINITY_DN33852_c0_g1_i3.p1	3	6
SY00890A_TRINITY_DN59940_c0_g1_i2.p1	2	2
SY00890A_TRINITY_DN69476_c0_g1_i2.p1	2	3
TLF00928_TR50133 c0_g1_i1.p1	2	2
TLF01005_TRINITY_DN101674_c0_g1_i1.p1	2	2
TLF01005_TRINITY_DN101674_c0_g1_i1.p1	2	2
TLF01005_TRINITY_DN1475_c0_g1_i3.p1	3	4
TLF01018_TRINITY_DN259_c0_g1_i3.p1	3	6
TLF01018_TRINITY_DN259_c0_g2_i1.p1	3	6
TLF01018_TRINITY_DN45123_c0_g1_i1.p1	2	2
XA00077_TR556 c0_g1_i1.p1	2	3
XA00103_TR12830 c0_g1_i1.p1	2	2

XA00103_TR48558 c14_g18_i1.p1	3	6
XA00201_TRINITY_DN8537_c0_g1_i2.p1	3	6
XA00224_TRINITY_DN17526_c0_g1_i1.p1	3	4
XA00224_TRINITY_DN220_c1_g1_i1.p1	2	3
XA00224_TRINITY_DN4355_c0_g1_i2.p1	2	2
XA00244_TRINITY_DN1424_c0_g1_i2.p1	3	6
XA00244_TRINITY_DN24326_c0_g1_i3.p1	2	2
XA00244_TRINITY_DN872_c0_g1_i1.p1	2	1
XA00278_TRINITY_DN45190_c0_g1_i2.p1	3	5
XA00278_TRINITY_DN75117_c0_g1_i1.p1	3	2
XA00290_TRINITY_DN18_c0_g2_i1.p1	2	2
XA00290_TRINITY_DN18457_c0_g1_i2.p1	3	3
XA00290_TRINITY_DN2826_c0_g1_i1.p1	2	1
XA00577_TR37998 c0_g2_i1.p1	3	4
XA00577_TR39392 c0_g1_i1.p1	3	2
XA00577_TR405 c0_g1_i1.p1	3	1
XY00762_TR14909 c0_g3_i1.p1	2	2
XY00762_TR18207 c0_g1_i1.p1	2	3
XY00762_TR46246 c0_g1_i1.p1	3	4
YZ0009_TRINITY_DN1036_c0_g2_i1.p1	3	5
YZ0009_TRINITY_DN6976_c0_g1_i1.p1	2	1
YZ0009_TRINITY_DN82_c0_g1_i4.p1	2	1
YZ0009_TRINITY_DN881_c0_g3_i1.p1	2	3
YZ0010_TRINITY_DN1965_c0_g3_i1.p1	2	3
YZ0013_TRINITY_DN113412_c0_g1_i1.p1	2	2
YZ0013_TRINITY_DN5043_c0_g1_i1.p1	2	2
YZ0013_TRINITY_DN5043_c0_g2_i4.p1	2	2
YZ0013_TRINITY_DN597_c0_g1_i14.p1	3	6
YZ0013_TRINITY_DN698_c0_g1_i7.p1	3	6
YZ0016_TRINITY_DN2955_c0_g1_i6.p1	3	6
YZ0016_TRINITY_DN2955_c1_g1_i4.p1	3	6
YZ0016_TRINITY_DN4396_c0_g1_i16.p1	2	2
YZ0017_TRINITY_DN5723_c2_g3_i1.p1	1	3
YZ0018_TRINITY_DN38878_c0_g1_i1.p1	2	1
YZ0018_TRINITY_DN9361_c0_g1_i2.p1	2	0
YZ0022_TRINITY_DN184_c0_g1_i11.p1	3	3
YZ0022_TRINITY_DN8340_c0_g1_i7.p1	2	2
YZ0023_TRINITY_DN100328_c0_g1_i1.p1	2	2
YZ0023_TRINITY_DN1906_c0_g1_i13.p2	2	2
YZ0023_TRINITY_DN1906_c0_g2_i3.p1	2	2
YZ0026_TRINITY_DN11299_c0_g1_i1.p1	2	1
YZ0026_TRINITY_DN32137_c0_g1_i2.p1	2	2
YZ0026_TRINITY_DN51415_c0_g1_i2.p1	2	1
YZ0026_TRINITY_DN657_c0_g3_i1.p1	2	2
YZ0026_TRINITY_DN892_c0_g1_i2.p1	2	3
YZ0026_TRINITY_DN892_c0_g2_i2.p1	2	3
YZ0026_TRINITY_DN91408_c0_g1_i1.p1	2	6
YZ0027_TRINITY_DN102121_c0_g1_i1.p1	3	5
YZ0027_TRINITY_DN122690_c0_g1_i1.p1	2	1
YZ0027_TRINITY_DN35431_c0_g1_i5.p1	2	3
YZ0027_TRINITY_DN4426_c0_g3_i1.p1	3	5
YZ0027_TRINITY_DN86120_c0_g1_i1.p1	2	1
YZ0046_TRINITY_DN13071_c0_g2_i1.p1	2	2
YZ0046_TRINITY_DN37735_c0_g1_i2.p1	3	5
YZ0046_TRINITY_DN5867_c0_g1_i3.p1	3	1
YZ0046_TRINITY_DN5867_c0_g2_i8.p1	3	5
YZ0046_TRINITY_DN8245_c0_g1_i1.p1	3	3
YZ0047_TRINITY_DN87014_c0_g1_i1.p1	3	6
YZ0048_TRINITY_DN18437_c0_g1_i1.p1	2	3
YZ0048_TRINITY_DN5823_c0_g1_i2.p1	2	3
YZ0048_TRINITY_DN98495_c0_g1_i1.p1	3	6
YZ0049_TRINITY_DN10857_c0_g2_i1.p1	2	3
YZ0049_TRINITY_DN135505_c0_g1_i1.p1	3	6
YZ0050_TRINITY_DN118344_c0_g1_i1.p1	2	3
YZ0051_TRINITY_DN4061_c0_g1_i1.p1	2	3
YZ0051_TRINITY_DN4087_c0_g1_i2.p1	2	3
YZ0052_TRINITY_DN26056_c0_g1_i2.p1	2	3
YZ0055_TRINITY_DN48130_c0_g1_i1.p1	3	6
YZ0055_TRINITY_DN8016_c0_g1_i2.p1	3	6
YZ0063_TRINITY_DN2150_c0_g1_i2.p1	2	4
YZ0063_TRINITY_DN2150_c0_g1_i2.p2	3	6
YZ0063_TRINITY_DN23608_c0_g1_i1.p1	2	4
YZ0064_TRINITY_DN31526_c0_g1_i1.p1	2	2
YZ0064_TRINITY_DN47884_c0_g1_i1.p1	2	2
YZ0065_TRINITY_DN18060_c0_g1_i1.p1	2	3
YZ0065_TRINITY_DN79671_c0_g1_i1.p1	2	3
YZ0065_TRINITY_DN8809_c0_g1_i1.p1	2	3

YZ0066_TRINITY_DN63332_c0_g1_i1.p1	3	6
YZ0066_TRINITY_DN8228_c0_g1_i3.p1	2	3
YZ0066_TRINITY_DN8228_c0_g2_i5.p1	2	3
YZ0066_TRINITY_DN85343_c0_g1_i1.p1	2	3
YZ0067_TRINITY_DN81380_c0_g1_i1.p1	2	3
YZ0068_TRINITY_DN3781_c0_g1_i1.p1	3	6
YZ0068_TRINITY_DN3781_c0_g2_i4.p1	3	6
YZ0068_TRINITY_DN4281_c0_g1_i5.p1	2	3
YZ0068_TRINITY_DN4281_c1_g1_i2.p1	2	2
YZ0068_TRINITY_DN4281_c1_g2_i3.p1	2	3
YZ0068_TRINITY_DN4281_c1_g4_i2.p1	2	2
YZ0068_TRINITY_DN99423_c0_g1_i1.p1	2	3
YZ0069_TRINITY_DN19806_c0_g2_i1.p1	2	2
YZ0070_TRINITY_DN3584_c0_g2_i2.p1	2	2
YZ0076_TRINITY_DN21273_c0_g2_i2.p1	2	2
YZ0076_TRINITY_DN38716_c0_g1_i1.p1	3	5
YZ0076_TRINITY_DN9070_c1_g1_i1.p1	2	3
YZ0079_TRINITY_DN10716_c0_g1_i1.p1	2	5
YZ0079_TRINITY_DN8_c0_g3_i1.p1	2	2
YZ0079_TRINITY_DN80259_c0_g1_i1.p1	2	4
YZ0097_TRINITY_DN29446_c0_g1_i2.p1	3	6
YZ0097_TRINITY_DN9034_c5_g1_i1.p1	2	1
YZ0097_TRINITY_DN91717_c0_g1_i1.p1	3	6
YZ0099_TRINITY_DN45330_c0_g1_i1.p1	2	2
YZ0106_TRINITY_DN4943_c0_g1_i2.p1	2	0
YZ0106_TRINITY_DN8479_c0_g1_i1.p1	2	2
YZ0106_TRINITY_DN8479_c0_g2_i1.p1	2	3
YZ0116_TRINITY_DN25442_c0_g1_i1.p1	3	5
YZ0117_TRINITY_DN3972_c0_g5_i1.p1	2	2
YZ0117_TRINITY_DN6914_c0_g3_i1.p1	3	4
YZ0118_TRINITY_DN16006_c0_g1_i1.p1	3	4
YZ0118_TRINITY_DN16006_c0_g1_i1.p2	3	4
YZ0118_TRINITY_DN7638_c0_g2_i1.p1	2	2
YZ0118_TRINITY_DN9502_c0_g2_i1.p1	2	2
YZ0118_TRINITY_DN9987_c0_g1_i3.p2	2	2
YZ0119_TRINITY_DN103649_c0_g1_i1.p1	2	2

OMT	catalytic determinants	key residues	S-adenosylmethionone
00132_TRINITY_DN10731_c0_g1_i1.p1	3	3	5
00132_TRINITY_DN12661_c0_g1_i1.p1	3	1	5
00132_TRINITY_DN15866_c7_g1_i5.p1	3	0	3
00210_TRINITY_DN10842_c0_g1_i1.p1	3	1	5
00210_TRINITY_DN11603_c1_g1_i1.p1	3	1	5
00210_TRINITY_DN12999_c3_g1_i1.p1	3	1	3
00210_TRINITY_DN13681_c0_g1_i1.p1	0	1	4
00210_TRINITY_DN9540_c0_g1_i1.p1	3	2	5
00888_TRINITY_DN14891_c0_g1_i1.p1	3	1	5
00910_TRINITY_DN125884_c0_g1_i1.p1	1	1	4
00910_TRINITY_DN195353_c0_g1_i1.p1	3	0	2
00910_TRINITY_DN29985_c1_g1_i2.p1	3	1	4
01205_TRINITY_DN10798_c0_g1_i3.p1	0	1	5
01205_TRINITY_DN12532_c1_g7_i1.p1	3	3	5
01205_TRINITY_DN4606_c0_g1_i1.p1	2	0	4
01205_TRINITY_DN6010_c0_g2_i1.p1	2	0	5
01205_TRINITY_DN6234_c0_g2_i1.p1	2	1	4
01205_TRINITY_DN6234_c1_g1_i1.p1	3	1	5
01205_TRINITY_DN6289_c0_g1_i2.p1	2	0	5
01205_TRINITY_DN8395_c0_g1_i3.p1	3	3	4
07886_TRINITY_DN25761_c0_g1_i1.p1	2	1	4
07897_TRINITY_DN1131_c0_g1_i1.p1	3	1	4
07963_TRINITY_DN32773_c0_g1_i1.p1	3	3	5
07963_TRINITY_DN35761_c0_g1_i2.p1	3	0	2
07963_TRINITY_DN37740_c0_g2_i2.p1	3	1	4
07963_TRINITY_DN39603_c0_g1_i2.p1	3	2	5
07968_TRINITY_DN21666_c0_g1_i1.p1	3	0	2
07968_TRINITY_DN29355_c0_g1_i1.p1	3	2	5
07968_TRINITY_DN32227_c0_g1_i1.p1	3	3	5
07969_TRINITY_DN23647_c0_g1_i1.p1	3	2	5
07969_TRINITY_DN39360_c0_g1_i2.p1	3	3	5
07970_TRINITY_DN32857_c0_g1_i1.p1	3	2	5
07970_TRINITY_DN48181_c0_g1_i1.p1	3	0	2
07970_TRINITY_DN53356_c0_g1_i2.p1	3	3	5
07985_TRINITY_DN13267_c0_g1_i3.p1	3	2	5
07985_TRINITY_DN16834_c0_g1_i1.p1	2	1	4
07985_TRINITY_DN16834_c1_g1_i1.p1	1	0	5
07985_TRINITY_DN7133_c0_g1_i1.p1	2	0	5
07985_TRINITY_DN8848_c0_g1_i1.p1	3	0	2

08000_TRINITY_DN632_c0_g1_i1.p1	2	1	4
08047_TRINITY_DN14311_c0_g1_i1.p1	3	3	5
08047_TRINITY_DN15459_c0_g1_i1.p1	3	2	5
08047_TRINITY_DN17692_c3_g1_i1.p1	3	0	4
08047_TRINITY_DN20981_c2_g1_i1.p1	3	0	2
08059_TRINITY_DN16130_c0_g1_i1.p1	3	1	5
08059_TRINITY_DN21835_c2_g1_i8.p2	0	1	5
08105_TRINITY_DN13671_c0_g1_i1.p1	3	3	5
08105_TRINITY_DN14668_c0_g1_i1.p1	3	1	5
08105_TRINITY_DN16747_c2_g3_i3.p1	3	0	3
08105_TRINITY_DN25939_c0_g1_i1.p1	3	2	5
08177_TRINITY_DN11101_c0_g1_i3.p1	3	0	2
08177_TRINITY_DN11506_c0_g1_i1.p1	2	0	5
08177_TRINITY_DN12446_c1_g1_i2.p1	3	3	4
08177_TRINITY_DN12446_c1_g3_i2.p1	3	3	5
08177_TRINITY_DN13599_c0_g1_i1.p1	3	2	5
08177_TRINITY_DN8653_c0_g1_i1.p1	1	0	5
08177_TRINITY_DN8701_c0_g1_i1.p1	2	0	5
08260_TRINITY_DN9078_c0_g1_i1.p1	0	0	1
08514A_TRINITY_DN111934_c0_g1_i1.p1	3	3	5
08514A_TRINITY_DN7026_c1_g1_i1.p1	3	2	5
08580A_TRINITY_DN1960_c0_g1_i1.p1	3	0	3
08580A_TRINITY_DN3423_c0_g1_i3.p1	3	3	4
08580A_TRINITY_DN7291_c0_g1_i1.p1	0	1	5
08734A_TR13773 c0_g1_i2.p1	3	3	5
08734A_TR261 c0_g1_i1.p1	3	0	2
08734A_TR51759 c0_g1_i1.p1	3	2	5
08784_TR6545 c0_g1_i1.p1	3	0	5
08891A_TR7625 c0_g1_i2.p1	3	1	5
08894A_TR3288 c0_g1_i1.p1	3	2	5
08894A_TR33277 c0_g1_i1.p1	3	1	5
08894A_TR40815 c0_g1_i1.p1	2	0	5
08894A_TR46572 c0_g1_i1.p1	3	3	5
08894A_TR48719 c0_g1_i1.p1	3	0	2
08895A_TRINITY_DN10461_c0_g1_i1.p1	3	1	5
08895A_TRINITY_DN1190_c0_g1_i3.p1	3	3	5
08895A_TRINITY_DN1190_c0_g2_i3.p1	1	1	4
08895A_TRINITY_DN150_c0_g1_i1.p1	3	2	5
08895A_TRINITY_DN38724_c0_g1_i1.p1	0	0	5
08895A_TRINITY_DN7631_c0_g1_i1.p1	3	0	2
08895A_TRINITY_DN93873_c0_g1_i2.p1	2	1	4
08914A_TR22886 c0_g1_i1.p1	3	0	2
08914A_TR34065 c0_g1_i1.p1	0	1	5
08914A_TR34065 c0_g2_i1.p1	3	2	5
08914A_TR40928 c0_g2_i1.p1	2	0	5
08914A_TR4846 c1_g1_i1.p1	1	1	4
08914A_TR4846 c1_g2_i1.p1	2	2	4
08914A_TR4846 c2_g1_i1.p1	3	3	5
08914A_TR63430 c0_g2_i2.p1	3	2	5
08925A_TRINITY_DN11825_c0_g1_i1.p1	3	2	5
08951A_TRINITY_DN10644_c0_g1_i1.p1	3	1	4
08951A_TRINITY_DN11810_c0_g1_i1.p1	3	0	4
08951A_TRINITY_DN13928_c2_g7_i3.p1	3	0	2
08951A_TRINITY_DN14121_c0_g1_i2.p1	3	2	5
08951A_TRINITY_DN14684_c3_g1_i1.p1	3	3	4
08951A_TRINITY_DN14684_c5_g9_i1.p1	3	3	5
08951A_TRINITY_DN32794_c0_g1_i1.p1	3	1	5
08951A_TRINITY_DN4996_c0_g1_i1.p1	2	0	5
08951A_TRINITY_DN9498_c0_g1_i1.p1	2	0	5
09032A_TRINITY_DN15092_c0_g1_i3.p1	0	1	5
09154A_TRINITY_DN13866_c0_g1_i1.p1	3	2	5
09154A_TRINITY_DN14248_c1_g2_i1.p1	3	2	4
09154A_TRINITY_DN14248_c1_g4_i1.p1	3	3	4
09154A_TRINITY_DN14248_c1_g5_i1.p1	3	3	5
09154A_TRINITY_DN16077_c4_g1_i1.p1	3	0	2
09154A_TRINITY_DN17178_c0_g1_i1.p1	3	1	5
09154A_TRINITY_DN17178_c0_g2_i1.p1	3	0	4
09154A_TRINITY_DN17178_c0_g3_i1.p1	3	1	4
09154A_TRINITY_DN923_c0_g1_i1.p1	2	0	5
09154A_TRINITY_DN9580_c0_g1_i1.p1	2	0	5
09155A_TRINITY_DN11627_c0_g1_i1.p1	3	1	4
09155A_TRINITY_DN12531_c0_g1_i2.p1	3	0	4
09155A_TRINITY_DN12593_c0_g1_i1.p1	3	1	5
09155A_TRINITY_DN13893_c0_g1_i1.p1	2	0	5
09155A_TRINITY_DN15768_c0_g1_i1.p1	3	2	5
09155A_TRINITY_DN16837_c3_g1_i1.p1	3	2	3
09155A_TRINITY_DN16837_c3_g2_i1.p1	3	3	5

09155A_TRINITY_DN21042_c2_g2_i2.p1	3	0	2
09161A_TRINITY_DN16556_c1_g1_i5.p1	1	1	4
09161A_TRINITY_DN16556_c1_g6_i1.p1	3	3	5
09161A_TRINITY_DN17158_c0_g1_i5.p1	3	2	5
09161A_TRINITY_DN17815_c1_g1_i6.p1	3	0	2
09161A_TRINITY_DN19588_c1_g4_i1.p1	2	0	5
09161A_TRINITY_DN22678_c1_g1_i1.p1	3	1	5
09161A_TRINITY_DN22678_c5_g4_i1.p1	2	1	4
09265A_TRINITY_DN1055_c0_g1_i5.p1	3	2	5
09265A_TRINITY_DN1055_c0_g1_i5.p2	3	2	5
09265A_TRINITY_DN1421_c0_g1_i1.p1	2	0	5
09265A_TRINITY_DN14736_c0_g1_i1.p1	3	0	4
09265A_TRINITY_DN221310_c0_g1_i1.p1	3	3	5
09265A_TRINITY_DN273777_c0_g1_i1.p1	2	2	4
09265A_TRINITY_DN72401_c0_g1_i2.p1	2	1	4
09383_TR21704 c0_g1_i1.p1	3	2	5
09383_TR26365 c0_g3_i1.p1	2	2	5
09383_TR32178 c0_g1_i1.p1	3	0	2
09679_TR31845 c0_g1_i1.p1	3	0	4
09679_TR35590 c0_g1_i1.p1	3	2	5
09679_TR43213 c0_g2_i3.p1	3	2	4
09688_TR12512 c0_g1_i1.p1	3	0	4
09688_TR24716 c1_g2_i1.p1	3	0	2
09688_TR32100 c0_g1_i1.p1	1	1	4
09688_TR32100 c1_g1_i1.p1	3	3	5
09688_TR35771 c0_g2_i1.p1	3	2	4
09688_TR48716 c0_g1_i1.p1	3	2	5
09688_TR58455 c0_g1_i1.p1	3	1	5
09688_TR6741 c0_g1_i1.p1	3	1	4
09701_TR31341 c0_g1_i2.p1	3	2	5
09701_TR42217 c0_g1_i2.p1	2	0	5
09701_TR55293 c0_g1_i1.p1	3	0	2
09701_TR82053 c0_g1_i1.p1	3	3	5
09701_TR82053 c1_g1_i1.p1	2	2	4
09701_TR89938 c0_g1_i1.p1	3	1	5
09714_TR23739 c0_g1_i1.p1	3	3	5
09714_TR53897 c0_g1_i1.p1	3	1	4
09714_TR54330 c0_g1_i2.p1	3	2	5
09714_TR67031 c0_g1_i1.p1	3	0	2
09714_TR83643 c0_g1_i1.p1	2	0	5
09724_TR26850 c0_g1_i1.p1	3	2	4
09724_TR36412 c0_g1_i1.p1	3	1	5
09724_TR38651 c0_g1_i1.p1	3	0	2
09724_TR51677 c0_g1_i1.p1	3	2	5
09724_TR56816 c0_g1_i1.p1	3	3	5
09747_TR38251 c0_g1_i1.p1	3	0	2
09747_TR56680 c0_g1_i1.p1	3	3	5
09747_TR57037 c0_g1_i1.p1	3	1	4
09747_TR68017 c0_g1_i1.p1	3	2	5
09748_TR1945 c0_g1_i1.p1	3	1	4
09748_TR3662 c0_g1_i1.p1	3	0	2
09748_TR31413 c0_g1_i1.p1	3	3	5
09751_TR10833 c0_g2_i1.p1	3	0	2
09757_TR23460 c0_g1_i1.p1	3	1	5
09757_TR25882 c0_g1_i1.p1	3	3	4
09757_TR47007 c0_g7_i2.p1	3	3	5
09757_TR59249 c0_g1_i3.p1	2	0	5
09757_TR68067 c0_g2_i2.p1	3	2	5
09757_TR87125 c0_g1_i1.p1	3	0	2
09767_TR30371 c0_g1_i1.p1	3	2	5
09767_TR67447 c0_g1_i1.p1	3	0	2
09767_TR80660 c0_g1_i1.p1	3	3	5
09772_TR14807 c0_g1_i1.p1	3	3	5
09772_TR22790 c0_g1_i1.p1	3	2	5
09772_TR51605 c0_g1_i1.p1	3	0	2
09773_TR309 c0_g1_i1.p1	3	1	4
09773_TR45924 c0_g1_i1.p1	3	2	5
09823_TR55627 c1_g1_i1.p1	0	1	3
09823_TR55627 c3_g2_i1.p1	3	2	5
10378A_TRINITY_DN12140_c0_g1_i2.p1	3	0	4
10378A_TRINITY_DN12140_c0_g2_i3.p1	3	1	5
10378A_TRINITY_DN18531_c1_g1_i1.p1	3	3	4
10465A_TRINITY_DN10460_c0_g1_i1.p1	3	2	5
10465A_TRINITY_DN10460_c0_g2_i4.p1	3	3	5
10465A_TRINITY_DN24699_c0_g1_i1.p1	2	2	5
10465A_TRINITY_DN8733_c0_g2_i1.p1	3	0	4
10478A_TRINITY_DN16209_c0_g1_i1.p1	3	2	5

10478A_TRINITY_DN18291_c0_g1_i1.p1	3	0	4
10478A_TRINITY_DN23589_c0_g1_i1.p1	3	3	5
10478A_TRINITY_DN60352_c0_g1_i1.p1	3	0	2
10499A_TRINITY_DN12255_c0_g1_i1.p1	3	3	5
10583A_TRINITY_DN110284_c1_g1_i1.p1	3	2	5
10583A_TRINITY_DN4667_c0_g1_i2.p1	3	4	5
10583A_TRINITY_DN8285_c0_g1_i1.p1	3	0	2
10661A_TRINITY_DN21899_c0_g1_i1.p1	2	0	5
10669A_TRINITY_DN1239_c0_g1_i1.p1	3	2	4
10669A_TRINITY_DN9486_c0_g1_i3.p1	3	2	5
10681A_TRINITY_DN14392_c0_g1_i1.p1	3	2	5
10681A_TRINITY_DN2116_c0_g1_i5.p1	3	2	4
10681A_TRINITY_DN55579_c0_g1_i1.p1	0	1	3
10681A_TRINITY_DN7051_c0_g1_i1.p1	0	1	4
10742A_TRINITY_DN11961_c0_g1_i1.p1	2	0	5
11097A_TRINITY_DN12272_c0_g1_i3.p1	3	2	5
11097A_TRINITY_DN29303_c0_g1_i1.p1	3	3	5
11097A_TRINITY_DN4202_c0_g1_i3.p1	0	0	4
11097A_TRINITY_DN879_c0_g1_i1.p1	3	1	3
11110A_TRINITY_DN1778_c0_g1_i2.p1	0	0	4
11110A_TRINITY_DN41024_c0_g1_i1.p1	3	2	5
11110A_TRINITY_DN45340_c0_g1_i1.p1	3	3	5
11140A_TRINITY_DN101494_c0_g1_i4.p1	3	0	4
11140A_TRINITY_DN128752_c0_g1_i10.p1	3	1	5
11140A_TRINITY_DN13987_c0_g1_i3.p1	3	2	4
11140A_TRINITY_DN1918_c0_g1_i2.p1	2	1	4
11140A_TRINITY_DN215702_c0_g1_i3.p1	0	1	1
11140A_TRINITY_DN22397_c0_g1_i2.p1	3	1	4
11140A_TRINITY_DN34905_c0_g1_i1.p1	2	1	4
11140A_TRINITY_DN4968_c0_g1_i1.p1	0	1	4
11140A_TRINITY_DN6959_c0_g1_i3.p1	3	1	5
11296A_TRINITY_DN16906_c0_g1_i1.p1	3	1	4
11326A_TRINITY_DN13049_c0_g1_i1.p1	3	0	2
11326A_TRINITY_DN14665_c1_g1_i1.p1	0	1	4
11326A_TRINITY_DN17025_c0_g1_i2.p1	3	2	5
11326A_TRINITY_DN21643_c0_g2_i3.p1	3	0	4
11326A_TRINITY_DN24828_c0_g1_i12.p1	0	1	4
11326A_TRINITY_DN24828_c0_g2_i1.p1	0	2	2
11539A_TRINITY_DN43706_c0_g1_i3.p1	3	0	4
11539A_TRINITY_DN7695_c0_g1_i2.p1	3	2	5
11539A_TRINITY_DN9861_c0_g1_i7.p1	3	2	4
11578B_TRINITY_DN16588_c0_g3_i1.p1	0	1	4
11578B_TRINITY_DN17922_c0_g1_i3.p1	3	3	5
11648B_TRINITY_DN14604_c0_g1_i1.p1	3	0	4
11648B_TRINITY_DN16153_c0_g1_i1.p1	3	3	5
11648B_TRINITY_DN16852_c0_g1_i1.p1	3	1	5
11648B_TRINITY_DN19750_c0_g8_i2.p1	3	1	5
11648B_TRINITY_DN21266_c0_g1_i1.p1	3	0	3
12140A_TRINITY_DN15199_c0_g1_i1.p1	3	1	5
12140A_TRINITY_DN15715_c1_g1_i3.p1	3	3	5
12225A_TRINITY_DN11589_c0_g1_i1.p1	3	2	5
12225A_TRINITY_DN17857_c5_g1_i3.p1	3	3	5
12225A_TRINITY_DN17857_c6_g2_i1.p1	3	3	4
12225A_TRINITY_DN18432_c1_g1_i5.p1	3	1	5
12517B_TRINITY_DN13157_c0_g1_i1.p1	3	1	5
12517B_TRINITY_DN1411_c0_g1_i1.p1	3	2	5
12517B_TRINITY_DN7469_c0_g1_i1.p1	3	3	5
12597A_TRINITY_DN17726_c0_g1_i6.p1	2	0	4
12597A_TRINITY_DN33917_c0_g1_i3.p1	3	0	4
12597A_TRINITY_DN34190_c0_g1_i1.p1	0	0	0
12603A_TRINITY_DN11535_c0_g2_i2.p1	3	2	5
12603A_TRINITY_DN3928_c0_g1_i1.p1	3	2	5
12619A_TRINITY_DN20544_c0_g1_i1.p1	3	1	4
12619A_TRINITY_DN26898_c0_g1_i1.p1	3	2	4
12619A_TRINITY_DN36571_c0_g1_i2.p1	3	3	5
12619A_TRINITY_DN5870_c0_g1_i1.p1	3	0	2
12619A_TRINITY_DN7688_c0_g1_i1.p1	3	1	5
12619A_TRINITY_DN7884_c0_g1_i3.p1	3	2	5
12621A_TRINITY_DN7499_c0_g1_i4.p1	3	2	5
12621A_TRINITY_DN908_c0_g1_i2.p1	3	2	5
12623A_TRINITY_DN29082_c0_g1_i1.p1	0	1	5
12652A_TRINITY_DN14303_c1_g1_i2.p1	3	3	5

12652A_TRINITY_DN36956_c0_g1_i1.p1	3	0	2
12652A_TRINITY_DN36956_c0_g1_i1.p2	3	0	2
12652A_TRINITY_DN46053_c0_g1_i1.p1	2	0	5
12652A_TRINITY_DN48682_c0_g1_i1.p1	0	1	3
12652A_TRINITY_DN75125_c0_g1_i5.p1	3	1	4
12652A_TRINITY_DN754_c0_g1_i6.p1	3	2	5
12652A_TRINITY_DN77438_c0_g1_i4.p1	2	0	5
12695A_TRINITY_DN40387_c0_g1_i1.p1	3	1	4
12695A_TRINITY_DN40387_c0_g2_i1.p1	0	1	4
12699A_TRINITY_DN2015_c0_g1_i4.p1	3	0	4
12699A_TRINITY_DN4571_c0_g1_i1.p1	3	2	5
12699A_TRINITY_DN9196_c0_g1_i7.p1	3	3	5
12699A_TRINITY_DN9196_c2_g1_i1.p1	0	1	4
12730A_TRINITY_DN17849_c0_g1_i1.p1	3	4	5
12731A_TRINITY_DN9544_c0_g2_i3.p1	0	1	4
12739A_TRINITY_DN224_c0_g1_i1.p1	3	3	5
12739A_TRINITY_DN84339_c0_g1_i1.p1	3	2	5
12745A_TRINITY_DN494_c0_g2_i19.p1	0	1	5
12745A_TRINITY_DN494_c0_g2_i19.p2	2	2	5
12745A_TRINITY_DN5581_c0_g1_i1.p1	0	1	4
12745A_TRINITY_DN69473_c0_g1_i6.p1	0	1	4
12746A_TRINITY_DN6453_c1_g1_i1.p1	1	0	4
12748A_TRINITY_DN39543_c0_g1_i1.p1	1	0	4
12748A_TRINITY_DN9185_c0_g1_i8.p1	0	1	1
12753A_TRINITY_DN19649_c0_g1_i1.p1	3	2	5
12753A_TRINITY_DN20930_c0_g1_i7.p1	3	3	5
12754A_TRINITY_DN13905_c0_g2_i1.p1	0	1	4
12754A_TRINITY_DN2523_c0_g1_i3.p1	3	2	5
12754A_TRINITY_DN44416_c0_g1_i1.p1	3	0	4
12779A_TRINITY_DN11300_c0_g1_i1.p1	3	1	5
12779A_TRINITY_DN3187_c0_g1_i6.p1	0	1	5
12779A_TRINITY_DN32810_c0_g1_i4.p1	2	1	4
12779A_TRINITY_DN4025_c0_g1_i1.p1	2	0	5
12779A_TRINITY_DN45026_c0_g1_i1.p1	2	0	5
12779A_TRINITY_DN611_c0_g1_i3.p1	1	1	4
12779A_TRINITY_DN83_c0_g1_i2.p1	3	3	5
12787A_TRINITY_DN1112_c0_g1_i2.p1	3	2	5
12787A_TRINITY_DN1520_c0_g1_i4.p1	3	3	5
12787A_TRINITY_DN1849_c0_g1_i2.p1	3	0	4
12787A_TRINITY_DN20329_c0_g1_i5.p1	3	0	4
12787A_TRINITY_DN425_c0_g2_i1.p1	0	0	5
12803A_TRINITY_DN85523_c0_g1_i1.p1	3	2	5
12803A_TRINITY_DN9830_c0_g1_i3.p1	3	3	5
12803A_TRINITY_DN9986_c0_g1_i3.p1	3	0	3
12823A_TRINITY_DN2277_c0_g1_i1.p1	3	1	4
12823A_TRINITY_DN4433_c0_g1_i1.p1	3	2	5
12823A_TRINITY_DN4466_c0_g1_i4.p1	0	1	1
12823A_TRINITY_DN9593_c0_g1_i2.p1	3	0	4
12876A_TRINITY_DN2509_c0_g1_i1.p1	3	0	4
12909A_TRINITY_DN114436_c0_g1_i1.p1	2	1	4
12909A_TRINITY_DN152_c0_g1_i4.p1	3	2	4
12909A_TRINITY_DN1586_c0_g1_i2.p1	1	1	5
12909A_TRINITY_DN16516_c1_g1_i1.p1	3	0	2
12909A_TRINITY_DN3397_c0_g1_i4.p1	3	2	5
12909A_TRINITY_DN8085_c0_g1_i1.p1	2	0	5
12909A_TRINITY_DN9361_c0_g1_i4.p1	1	1	4
12919A_TRINITY_DN6149_c0_g1_i6.p1	0	0	3
12919A_TRINITY_DN7678_c0_g1_i1.p1	3	2	5
12919A_TRINITY_DN8248_c0_g1_i4.p1	3	2	4
12926A_TRINITY_DN101_c0_g1_i1.p1	0	1	5
12926A_TRINITY_DN2450_c0_g1_i2.p1	3	4	5
12926A_TRINITY_DN8347_c0_g1_i1.p1	3	0	2
12960A_TRINITY_DN1401_c0_g1_i3.p1	0	1	5
12960A_TRINITY_DN41_c0_g1_i1.p1	3	4	5
12960A_TRINITY_DN7021_c0_g1_i1.p1	3	0	2
12974A_TRINITY_DN3961_c0_g1_i5.p1	0	1	5
12974A_TRINITY_DN8386_c0_g1_i6.p1	0	1	4
12985A_TRINITY_DN10337_c0_g1_i1.p1	2	0	3
12985A_TRINITY_DN16049_c0_g1_i3.p1	0	0	4

12985A_TRINITY_DN17905_c0_g2_i4.p1	3	3	5
12985A_TRINITY_DN64477_c0_g1_i1.p1	0	1	5
12999A_TRINITY_DN8684_c0_g1_i2.p1	3	0	4
12999A_TRINITY_DN8684_c0_g2_i1.p1	3	0	4
13004A_TRINITY_DN14907_c0_g1_i1.p1	3	2	5
13004A_TRINITY_DN3372_c0_g1_i1.p1	3	3	5
13008A_TRINITY_DN4353_c0_g3_i1.p1	0	1	5
13016A_TRINITY_DN5821_c0_g1_i1.p1	1	1	4
13062A_TRINITY_DN100460_c0_g1_i1.p1	0	1	5
13062A_TRINITY_DN1577_c0_g1_i1.p1	3	2	5
13062A_TRINITY_DN1860_c0_g1_i2.p1	0	1	5
13062A_TRINITY_DN4678_c0_g1_i1.p1	0	1	1
13063A_TRINITY_DN41110_c0_g1_i1.p1	2	0	4
13066A_TRINITY_DN10221_c0_g1_i2.p1	3	0	2
13066A_TRINITY_DN15267_c0_g1_i6.p1	3	2	4
13066A_TRINITY_DN4541_c0_g1_i4.p1	3	2	5
13088A_TRINITY_DN10982_c0_g1_i1.p1	3	1	3
13088A_TRINITY_DN5261_c0_g1_i4.p1	0	0	4
13134A_TRINITY_DN2601_c0_g1_i4.p1	3	2	5
13134A_TRINITY_DN3833_c0_g1_i1.p2	0	0	2
13134A_TRINITY_DN6731_c0_g1_i2.p1	0	1	4
13137A_TRINITY_DN18229_c0_g1_i6.p1	3	2	5
13139A_TRINITY_DN21554_c0_g1_i1.p1	3	1	5
13140A_TRINITY_DN11884_c0_g1_i5.p1	2	2	4
13140A_TRINITY_DN1247_c0_g1_i1.p1	3	2	5
13140A_TRINITY_DN131773_c0_g1_i1.p1	3	2	5
13140A_TRINITY_DN362_c0_g1_i1.p1	3	1	5
13140A_TRINITY_DN362_c3_g1_i6.p1	0	1	4
13143A_TRINITY_DN13563_c0_g1_i1.p1	3	2	5
13143A_TRINITY_DN31705_c0_g1_i1.p1	3	1	4
13163A_TRINITY_DN5478_c0_g1_i1.p1	3	2	5
13163A_TRINITY_DN7415_c0_g1_i1.p1	3	3	5
13165A_TRINITY_DN518_c0_g1_i7.p1	3	1	4
13165A_TRINITY_DN518_c1_g1_i1.p1	3	2	5
13182A_TRINITY_DN11719_c0_g1_i1.p1	3	3	5
13182A_TRINITY_DN24266_c0_g1_i6.p1	3	2	4
13182A_TRINITY_DN56244_c0_g1_i1.p1	3	2	5
13182A_TRINITY_DN9281_c0_g1_i2.p1	2	1	4
13182A_TRINITY_DN9281_c0_g2_i1.p1	0	1	4
13196A_TRINITY_DN11560_c0_g1_i1.p1	3	3	5
13196A_TRINITY_DN68431_c0_g1_i1.p1	3	2	5
13202A_TRINITY_DN21518_c0_g1_i3.p1	3	0	2
13214A_TRINITY_DN590_c0_g1_i2.p1	3	0	3
13214A_TRINITY_DN6374_c0_g1_i2.p1	0	1	5
13214A_TRINITY_DN9718_c0_g1_i1.p1	3	2	5
13216A_TRINITY_DN2391_c0_g1_i1.p1	1	1	5
13216A_TRINITY_DN2391_c0_g2_i2.p1	1	1	5
13216A_TRINITY_DN41_c0_g1_i3.p1	3	3	4
13271A_TRINITY_DN12874_c1_g1_i1.p1	1	1	4
13271A_TRINITY_DN14938_c0_g1_i10.p1	3	3	5
13271A_TRINITY_DN17293_c1_g1_i1.p1	3	0	2
13271A_TRINITY_DN20442_c0_g1_i1.p1	3	2	5
13271A_TRINITY_DN3937_c0_g1_i2.p1	3	2	5
BN01259_TR17500 c0_g1_i1.p1	3	3	4
BN01259_TR25325 c5_g5_i6.p1	3	0	3
BN01259_TR25378 c1_g10_i1.p1	3	1	5
BN01259_TR28312 c0_g1_i1.p1	3	1	5
BN01422_TR51516 c2_g1_i1.p1	2	1	5
BN01422_TR69425 c0_g1_i1.p1	0	1	4
BN01422_TR83716 c0_g1_i1.p1	3	1	5
BN01422_TR83775 c0_g1_i1.p1	3	1	5
BN01422_TR85709 c0_g1_i1.p1	3	3	4
BN01422_TR95813 c0_g2_i1.p1	3	0	2
BN01692_TR10003 c0_g1_i1.p1	3	0	3
BN01692_TR21802 c0_g2_i1.p1	3	2	5
BN01692_TR34397 c0_g1_i1.p1	3	1	5
BN01692_TR620 c0_g1_i1.p1	3	3	5
BN01830_TR21405 c0_g1_i1.p1	3	2	5
BN01830_TR2361 c0_g1_i1.p1	3	3	5

BN01830_TR53522 c0_g1_i1.p1	3	1	5
BN01830_TR55029 c0_g1_i1.p1	3	0	3
BN01846_TR33322 c1_g1_i1.p1	3	1	4
BN01922_TR54002 c0_g1_i1.p1	3	1	5
CC00446A_TRINITY_DN20626_c0_g1_i5.p	3	0	4
CC00479A_TRINITY_DN11475_c2_g1_i1.p	3	2	5
CC00479A_TRINITY_DN11974_c1_g1_i2.p	0	1	5
CC00494A_TRINITY_DN16790_c3_g4_i4.p	1	1	5
CC00494A_TRINITY_DN19017_c0_g1_i1.p	3	2	5
CC00494A_TRINITY_DN21865_c2_g4_i1.p	0	1	2
CC00494A_TRINITY_DN21865_c2_g6_i1.p	0	1	4
CC00505A_TRINITY_DN18492_c0_g1_i1.p	3	2	5
CC00505A_TRINITY_DN6451_c0_g1_i1.p1	3	0	4
CD00559_TR10453 c0_g1_i1.p1	3	3	5
CD00559_TR11155 c0_g1_i1.p1	2	0	5
CD00559_TR13056 c0_g1_i1.p1	3	0	2
CD00559_TR29804 c0_g1_i1.p1	3	1	5
CD00559_TR34345 c0_g1_i1.p1	3	1	4
CD00559_TR35065 c0_g1_i1.p1	3	3	4
CD00559_TR39761 c0_g4_i1.p1	3	2	5
CD00559_TR42317 c0_g1_i1.p1	3	0	4
CD00559_TR65788 c0_g1_i1.p1	2	0	5
CQ00662_TR12539 c0_g1_i1.p1	3	1	4
CQ00662_TR15549 c3_g1_i2.p1	3	0	4
CQ00662_TR29513 c0_g1_i1.p1	3	3	5
CQ00662_TR31637 c0_g1_i1.p1	0	1	4
CQ00662_TR31637 c0_g2_i1.p1	3	2	4
CQ00773_TR18318 c0_g1_i1.p1	3	0	2
CQ00773_TR21636 c0_g3_i1.p1	2	0	5
CQ00773_TR51068 c3_g1_i1.p1	3	3	5
CQ00773_TR51712 c0_g1_i1.p1	3	1	5
CQ00773_TR6079 c0_g1_i1.p1	3	2	5
CQ00776_TR23784 c1_g1_i2.p1	1	1	4
CQ00776_TR23784 c2_g1_i3.p1	2	2	5
CQ00776_TR36695 c0_g1_i1.p1	2	0	5
CQ00776_TR44684 c0_g1_i1.p1	3	0	2
CQ00776_TR48354 c1_g1_i1.p1	3	1	4
CQ00776_TR7221 c0_g1_i2.p1	3	2	5
CQ00784_TR14414 c0_g1_i1.p1	3	1	5
CQ00784_TR14414 c0_g2_i1.p1	3	1	5
CQ00784_TR7310 c0_g1_i1.p1	3	2	5
CQ00787_TR23716 c0_g1_i1.p1	3	2	5
CQ00787_TR33380 c0_g1_i1.p1	3	3	5
CQ00790_TR11836 c1_g5_i3.p1	2	0	4
CQ00790_TR35374 c0_g1_i1.p1	3	0	3
CQ00790_TR40646 c0_g1_i1.p1	3	3	4
CQ00790_TR49484 c0_g1_i1.p1	3	2	5
CQ00791_TR26736 c0_g1_i1.p1	3	0	4
CQ00791_TR46327 c0_g2_i1.p1	3	3	5
CQ00791_TR5443 c0_g1_i1.p1	3	1	5
CQ00838_TR39029 c1_g1_i2.p1	3	1	5
CQ00838_TR39116 c0_g1_i1.p1	3	3	5
CQ00918_TR29997 c0_g1_i1.p1	2	0	5
CQ00918_TR46500 c0_g1_i2.p1	3	2	5
CQ00918_TR49745 c0_g1_i1.p1	3	1	4
CQ00918_TR49860 c0_g1_i1.p1	2	2	5
CQ00918_TR65201 c0_g1_i1.p1	3	0	2
CQ00921_TR33897 c0_g1_i1.p1	3	0	4
CQ00940_TR19243 c0_g1_i1.p1	3	1	4
CQ00940_TR20698 c0_g1_i1.p1	2	3	5
CQ00940_TR43754 c0_g1_i1.p1	3	1	5
CQ00940_TR46732 c0_g3_i1.p1	3	3	5
CQ00940_TR54190 c0_g1_i2.p1	3	0	2
CQ00940_TR60749 c1_g1_i3.p1	3	1	5
CQ00940_TR61634 c0_g2_i1.p1	3	1	5
CQ00940_TR73392 c0_g1_i2.p1	2	1	5
CQ00952_TR27296 c0_g1_i1.p1	3	3	5
CQ00952_TR4118 c0_g1_i1.p1	3	2	5
CQ00952_TR4713 c0_g1_i1.p1	3	0	2

CQ01025_TR10935 c0_g1_i1.p1	3	2	5
CQ01025_TR23904 c0_g1_i1.p1	3	0	2
CQ01025_TR32677 c0_g1_i2.p1	3	0	4
CQ01025_TR49172 c0_g1_i1.p1	3	1	4
CQ01025_TR53189 c0_g1_i1.p1	2	0	5
CQ01025_TR65417 c0_g1_i1.p1	2	0	5
CQ01025_TR73740 c0_g1_i1.p1	3	1	5
CQ01025_TR7510 c0_g2_i1.p1	3	3	5
CQ01025_TR7510 c1_g1_i1.p1	3	3	4
CQ01036_TR22424 c0_g1_i1.p1	3	0	2
CQ01036_TR34602 c0_g1_i1.p1	2	0	5
CQ01036_TR42708 c0_g1_i1.p1	3	2	5
CQ01036_TR66126 c0_g1_i1.p1	3	3	4
CQ01036_TR70994 c0_g1_i1.p1	3	1	5
CQ01036_TR75094 c0_g1_i1.p1	3	3	5
CQ01174_TRINITY_DN11081_c0_g1_i1.p1	3	1	5
CQ01174_TRINITY_DN14637_c0_g1_i1.p1	3	0	3
CS00127_TRINITY_DN11457_c0_g1_i1.p1	2	0	5
CS00127_TRINITY_DN13122_c0_g1_i2.p1	3	2	5
CS00127_TRINITY_DN14155_c4_g3_i1.p1	3	1	4
CS00127_TRINITY_DN15598_c2_g1_i1.p1	3	0	2
CS00127_TRINITY_DN19209_c0_g1_i1.p1	3	3	4
CS00127_TRINITY_DN3008_c0_g1_i1.p1	3	1	5
CS00127_TRINITY_DN8222_c0_g1_i1.p1	3	3	5
CS00127_TRINITY_DN9447_c0_g2_i1.p1	3	0	4
CS00128_TRINITY_DN3806_c0_g1_i1.p1	3	1	4
CS00128_TRINITY_DN3892_c0_g1_i1.p1	3	2	5
CS00131_TRINITY_DN12827_c0_g1_i2.p1	3	2	5
CS00131_TRINITY_DN18933_c0_g1_i1.p1	3	1	4
CS00131_TRINITY_DN3322_c0_g1_i1.p1	3	3	5
CS00131_TRINITY_DN6658_c0_g1_i1.p1	3	1	5
CS00131_TRINITY_DN9646_c0_g1_i2.p1	1	1	4
CS00230_TRINITY_DN12672_c0_g1_i1.p1	3	0	5
CS00280_TRINITY_DN12120_c0_g1_i2.p1	3	2	5
CS00280_TRINITY_DN7058_c0_g1_i1.p1	3	1	5
CS00280_TRINITY_DN9245_c0_g1_i1.p1	2	0	5
CS00280_TRINITY_DN9307_c0_g1_i1.p1	3	0	2
EM00036_TR2824 c0_g1_i2.p1	3	3	5
EM00036_TR29258 c0_g1_i2.p1	3	2	5
EM00060_TR10902 c0_g2_i1.p1	3	0	5
EM00104_TRINITY_DN113353_c0_g1_i4.p1	0	0	5
EM00104_TRINITY_DN235_c0_g1_i5.p1	3	1	5
EM00104_TRINITY_DN6939_c0_g1_i1.p1	0	1	5
EM00109_TRINITY_DN15760_c0_g1_i2.p1	3	0	2
EM00109_TRINITY_DN182177_c1_g1_i1.p1	3	2	5
EM00109_TRINITY_DN49948_c0_g1_i4.p1	3	3	5
EM00156_TR16238 c0_g1_i1.p1	3	3	4
EM00156_TR19599 c1_g1_i1.p1	3	1	5
EM00156_TR24059 c0_g1_i1.p1	3	0	3
EM00156_TR25104 c0_g1_i1.p1	3	1	5
EM00195_TR128 c0_g1_i1.p1	3	3	5
EM00195_TR13767 c0_g2_i1.p1	3	0	2
EM00195_TR1786 c0_g1_i1.p1	3	1	4
EM00195_TR18425 c0_g1_i1.p1	3	1	5
EM00195_TR19779 c0_g1_i1.p1	3	1	5
EM00218_TR11038 c0_g1_i1.p1	3	2	5
EM00218_TR1112 c2_g3_i2.p1	3	2	5
EM00218_TR27805 c0_g1_i1.p1	3	0	2
EM00218_TR9729 c0_g3_i1.p1	0	2	2
EM00268_TR13067 c0_g1_i1.p1	1	2	5
EM00268_TR30186 c0_g1_i1.p1	3	2	5
EM00268_TR39814 c0_g1_i2.p1	3	2	5
EM00268_TR783 c0_g1_i1.p1	3	1	5
HH01018A_TRINITY_DN2194_c0_g1_i4.p1	3	2	5
HH01018A_TRINITY_DN3886_c0_g1_i2.p1	3	3	4
HRB0111B_TRINITY_DN18121_c0_g1_i1.p1	1	0	5
HRB0111B_TRINITY_DN2738_c0_g1_i4.p1	0	1	5
HRB0111B_TRINITY_DN688_c0_g1_i1.p1	3	0	2
HRB0324B_TRINITY_DN3797_c3_g1_i1.p1	3	0	2

HRB0324B_TRINITY_DN61444_c0_g1_i1.p	3	1	5
HRB0324B_TRINITY_DN68329_c0_g1_i1.p	2	0	5
HRB0324B_TRINITY_DN9757_c0_g1_i4.p1	0	1	5
SY00867A_TRINITY_DN12496_c0_g1_i1.p1	3	0	4
SY00867A_TRINITY_DN1502_c0_g1_i1.p1	3	0	4
SY00867A_TRINITY_DN15480_c0_g1_i1.p1	3	3	5
SY00890A_TRINITY_DN11581_c0_g2_i5.p1	3	2	5
SY00890A_TRINITY_DN15842_c0_g1_i3.p1	3	2	5
SY00890A_TRINITY_DN1986_c0_g1_i3.p1	0	0	2
SY00927A_TRINITY_DN5278_c0_g1_i1.p1	3	0	5
TLF01018_TRINITY_DN122365_c0_g1_i1.p	3	0	2
TLF01018_TRINITY_DN17386_c0_g1_i5.p1	3	2	5
TLF01018_TRINITY_DN27033_c0_g1_i3.p1	1	0	5
TLF01018_TRINITY_DN49645_c0_g1_i3.p1	2	1	4
TLF01018_TRINITY_DN62847_c0_g1_i2.p1	3	1	5
TLF01018_TRINITY_DN76933_c0_g1_i1.p1	0	1	3
TLF01018_TRINITY_DN9083_c0_g1_i2.p1	2	0	5
XA00077_TR26792 c0_g3_i1.p1	3	1	5
XA00077_TR27717 c0_g2_i7.p2	1	1	3
XA00077_TR62705 c0_g1_i1.p1	3	2	5
XA00103_TR30446 c0_g1_i1.p1	3	0	2
XA00103_TR45324 c0_g1_i1.p1	3	1	4
XA00103_TR62655 c0_g1_i1.p1	2	0	5
XA00201_TRINITY_DN11235_c0_g1_i2.p1	3	2	5
XA00201_TRINITY_DN122361_c0_g1_i1.p1	3	0	2
XA00201_TRINITY_DN7156_c0_g1_i5.p1	3	3	5
XA00224_TRINITY_DN1555_c0_g1_i6.p1	3	1	4
XA00224_TRINITY_DN1875_c0_g1_i5.p2	3	2	5
XA00224_TRINITY_DN24746_c0_g2_i1.p1	3	1	5
XA00224_TRINITY_DN50852_c0_g1_i6.p1	3	2	5
XA00244_TRINITY_DN4860_c0_g1_i2.p1	3	2	5
XA00244_TRINITY_DN8907_c0_g1_i1.p1	3	3	4
XA00244_TRINITY_DN8907_c0_g2_i1.p1	2	2	4
XA00278_TRINITY_DN3356_c3_g1_i1.p1	3	1	4
XA00278_TRINITY_DN37611_c0_g1_i10.p1	3	0	4
XA00278_TRINITY_DN3977_c0_g1_i2.p1	0	1	4
XA00278_TRINITY_DN710_c0_g1_i6.p1	3	2	5
XA00278_TRINITY_DN710_c4_g1_i1.p1	0	1	3
XA00290_TRINITY_DN47817_c0_g1_i2.p1	3	1	5
XA00577_TR11480 c0_g2_i1.p1	3	1	5
XA00577_TR28282 c0_g1_i2.p1	2	0	4
XA00577_TR56289 c0_g1_i1.p1	3	3	5
XA00577_TR57767 c0_g1_i1.p1	3	0	3
XA00577_TR8925 c0_g1_i1.p1	3	1	4
XY00762_TR12337 c0_g1_i1.p1	3	3	5
XY00762_TR58988 c0_g1_i1.p1	2	0	5
XY00762_TR59933 c0_g1_i1.p1	3	3	5
YZ0009_TRINITY_DN1975_c0_g1_i1.p1	3	2	5
YZ0009_TRINITY_DN3046_c0_g1_i1.p1	3	0	3
YZ0009_TRINITY_DN3046_c0_g2_i1.p1	3	0	3
YZ0009_TRINITY_DN7734_c0_g1_i1.p1	3	3	5
YZ0009_TRINITY_DN7734_c0_g1_i1.p2	3	3	5
YZ0011_TRINITY_DN64337_c0_g1_i1.p1	0	1	5
YZ0013_TRINITY_DN1129_c0_g1_i2.p1	3	0	3
YZ0013_TRINITY_DN5480_c0_g2_i1.p1	3	3	4
YZ0013_TRINITY_DN5480_c0_g3_i1.p1	3	3	4
YZ0013_TRINITY_DN8429_c0_g1_i1.p1	3	2	5
YZ0013_TRINITY_DN9985_c0_g1_i16.p2	2	0	5
YZ0016_TRINITY_DN205451_c0_g1_i1.p1	1	0	5
YZ0016_TRINITY_DN24026_c0_g2_i7.p1	2	0	5
YZ0016_TRINITY_DN2454_c0_g1_i7.p1	3	3	4
YZ0016_TRINITY_DN252_c0_g1_i13.p1	3	2	5
YZ0016_TRINITY_DN2920_c0_g1_i4.p1	3	3	5
YZ0016_TRINITY_DN3401_c0_g1_i2.p1	3	2	5
YZ0016_TRINITY_DN346_c0_g1_i6.p1	3	3	5
YZ0016_TRINITY_DN38692_c0_g1_i5.p1	3	2	4
YZ0016_TRINITY_DN45775_c0_g1_i1.p1	0	1	3
YZ0016_TRINITY_DN5613_c1_g1_i17.p1	3	1	5
YZ0016_TRINITY_DN61024_c0_g2_i2.p1	3	1	4

YZ0016_TRINITY_DN7420_c0_g2_i1.p1	3	0	2
YZ0023_TRINITY_DN161415_c0_g1_i1.p1	0	0	3
YZ0023_TRINITY_DN180843_c0_g1_i1.p1	0	0	4
YZ0026_TRINITY_DN12112_c0_g1_i1.p1	0	0	3
YZ0026_TRINITY_DN24983_c0_g4_i1.p1	0	0	3
YZ0026_TRINITY_DN27183_c0_g1_i1.p1	3	1	4
YZ0026_TRINITY_DN3055_c0_g2_i1.p1	0	1	4
YZ0026_TRINITY_DN5121_c0_g1_i1.p1	0	1	5
YZ0026_TRINITY_DN641_c0_g1_i7.p1	2	1	4
YZ0026_TRINITY_DN70976_c0_g1_i1.p1	3	2	5
YZ0027_TRINITY_DN1045_c0_g2_i2.p1	3	2	5
YZ0027_TRINITY_DN2453_c1_g2_i1.p1	2	0	4
YZ0027_TRINITY_DN2766_c0_g2_i1.p1	3	0	3
YZ0027_TRINITY_DN3015_c0_g2_i3.p1	2	1	4
YZ0027_TRINITY_DN5602_c0_g1_i2.p1	0	1	4
YZ0046_TRINITY_DN11774_c0_g1_i2.p1	3	2	5
YZ0046_TRINITY_DN15995_c0_g1_i4.p1	3	4	5
YZ0046_TRINITY_DN20999_c0_g1_i2.p1	3	0	4
YZ0046_TRINITY_DN73453_c0_g1_i1.p1	3	1	4
YZ0048_TRINITY_DN29995_c0_g2_i1.p1	3	3	5
YZ0048_TRINITY_DN47193_c0_g1_i1.p1	3	2	5
YZ0048_TRINITY_DN51_c5_g1_i2.p1	3	1	4
YZ0048_TRINITY_DN5799_c0_g1_i1.p1	2	0	5
YZ0048_TRINITY_DN5799_c0_g2_i1.p1	2	0	5
YZ0049_TRINITY_DN67323_c0_g1_i1.p1	3	2	5
YZ0049_TRINITY_DN8550_c0_g2_i5.p1	0	1	5
YZ0054_TRINITY_DN19431_c0_g1_i1.p1	3	3	5
YZ0054_TRINITY_DN836_c0_g2_i1.p1	3	2	5
YZ0055_TRINITY_DN123384_c0_g1_i2.p1	1	1	5
YZ0055_TRINITY_DN21344_c0_g1_i1.p1	3	2	5
YZ0063_TRINITY_DN111551_c0_g1_i1.p1	3	1	4
YZ0063_TRINITY_DN12023_c0_g1_i1.p1	3	3	4
YZ0063_TRINITY_DN12421_c0_g1_i2.p1	0	1	5
YZ0063_TRINITY_DN12421_c0_g2_i2.p1	3	2	5
YZ0063_TRINITY_DN20314_c0_g2_i1.p1	3	0	2
YZ0063_TRINITY_DN2346_c0_g1_i4.p1	3	3	4
YZ0063_TRINITY_DN4774_c0_g1_i1.p1	3	0	4
YZ0063_TRINITY_DN68070_c0_g1_i1.p1	3	1	4
YZ0063_TRINITY_DN828_c0_g1_i2.p1	3	2	5
YZ0063_TRINITY_DN828_c0_g2_i4.p1	3	2	5
YZ0068_TRINITY_DN111022_c0_g1_i1.p1	3	4	5
YZ0070_TRINITY_DN58438_c0_g1_i1.p1	0	0	3
YZ0076_TRINITY_DN25422_c0_g1_i1.p1	3	3	5
YZ0076_TRINITY_DN33488_c0_g1_i1.p1	3	2	5
YZ0076_TRINITY_DN34581_c0_g1_i1.p1	3	0	2
YZ0079_TRINITY_DN11705_c0_g1_i5.p1	3	3	5
YZ0079_TRINITY_DN18956_c0_g1_i4.p1	3	0	4
YZ0079_TRINITY_DN2556_c0_g1_i2.p1	0	1	5
YZ0094_TRINITY_DN10494_c0_g1_i1.p1	3	0	4
YZ0097_TRINITY_DN56148_c0_g1_i1.p1	3	0	2
YZ0097_TRINITY_DN69340_c0_g1_i1.p1	3	3	5
YZ0097_TRINITY_DN90500_c0_g1_i1.p1	3	3	5
YZ0106_TRINITY_DN42109_c0_g1_i1.p1	3	0	5
YZ0116_TRINITY_DN217_c0_g1_i2.p1	3	2	5
YZ0116_TRINITY_DN4067_c0_g1_i4.p1	3	0	4
YZ0116_TRINITY_DN7046_c0_g2_i1.p1	3	3	4
YZ0117_TRINITY_DN10253_c0_g1_i1.p1	3	2	5
YZ0117_TRINITY_DN10253_c0_g2_i2.p1	0	1	5
YZ0117_TRINITY_DN719_c0_g1_i2.p1	3	3	5
YZ0117_TRINITY_DN8945_c1_g1_i2.p1	2	0	4
YZ0117_TRINITY_DN8945_c1_g1_i2.p2	2	0	4
YZ0118_TRINITY_DN22550_c0_g1_i1.p1	3	2	5
YZ0118_TRINITY_DN29487_c0_g1_i1.p1	3	2	5
YZ0118_TRINITY_DN49053_c0_g1_i1.p1	0	1	1
YZ0118_TRINITY_DN7424_c0_g1_i3.p1	0	0	4
YZ0119_TRINITY_DN8886_c0_g1_i1.p1	3	1	4

	CNMT	catalytic determinants	key residues	S-adenosylmethionone
00132_TRINITY_DN13989_c0_g1_i1.p1	3	5	8	

00210_TRINITY_DN12794_c1_g1_i4.p1	3	2	7
00210_TRINITY_DN12794_c1_g4_i1.p1	3	3	6
00210_TRINITY_DN12805_c4_g1_i4.p1	1	4	5
00210_TRINITY_DN13418_c1_g1_i8.p1	1	2	6
00210_TRINITY_DN9491_c0_g1_i2.p1	3	5	7
00303_TRINITY_DN12019_c0_g1_i1.p1	3	5	7
00303_TRINITY_DN13741_c2_g2_i4.p1	3	2	6
00392_TRINITY_DN12867_c0_g1_i1.p1	3	5	7
00626_TRINITY_DN14272_c2_g1_i1.p1	3	5	7
00888_TRINITY_DN10539_c0_g1_i1.p1	2	5	5
00888_TRINITY_DN13769_c0_g1_i5.p1	2	3	7
00910_TRINITY_DN13285_c0_g1_i1.p1	3	5	7
00910_TRINITY_DN33465_c1_g1_i2.p1	3	4	7
00910_TRINITY_DN95609_c0_g1_i1.p1	3	5	6
01159_TRINITY_DN16042_c2_g1_i1.p1	3	3	7
01205_TRINITY_DN13266_c1_g1_i5.p1	2	5	6
01205_TRINITY_DN13266_c1_g4_i4.p1	3	5	6
01205_TRINITY_DN13266_c1_g7_i4.p1	3	5	8
01205_TRINITY_DN13460_c1_g1_i1.p1	3	2	7
01205_TRINITY_DN14423_c2_g1_i5.p1	3	2	5
01207_TRINITY_DN21580_c0_g1_i4.p2	3	4	6
07839_TRINITY_DN4417_c0_g1_i1.p1	3	5	7
07886_TRINITY_DN8054_c0_g2_i1.p1	2	3	6
07887_TRINITY_DN14525_c0_g1_i1.p1	3	5	7
07897_TRINITY_DN14572_c0_g1_i1.p1	2	4	6
07897_TRINITY_DN15726_c0_g1_i1.p1	3	5	7
07897_TRINITY_DN15833_c0_g1_i1.p1	3	5	7
07897_TRINITY_DN8195_c0_g2_i1.p1	3	5	5
07963_TRINITY_DN38083_c0_g1_i1.p1	3	5	8
07963_TRINITY_DN38535_c0_g1_i1.p1	3	5	7
07963_TRINITY_DN39126_c1_g3_i1.p1	3	5	5
07968_TRINITY_DN28860_c0_g1_i1.p1	3	5	7
07968_TRINITY_DN35338_c0_g3_i2.p1	3	5	7
07968_TRINITY_DN35567_c1_g1_i5.p1	3	5	5
07968_TRINITY_DN35567_c3_g1_i1.p1	3	4	6
07969_TRINITY_DN35755_c0_g1_i1.p1	3	5	7
07969_TRINITY_DN39096_c6_g1_i2.p1	3	5	5
07969_TRINITY_DN39096_c6_g4_i1.p1	3	5	7
07969_TRINITY_DN39684_c0_g2_i2.p1	3	5	7
07970_TRINITY_DN49889_c1_g1_i6.p1	3	5	6
07970_TRINITY_DN52869_c0_g1_i1.p1	3	5	8
07970_TRINITY_DN54272_c2_g4_i1.p1	3	5	7
07985_TRINITY_DN10632_c0_g1_i1.p1	3	5	7
07985_TRINITY_DN11181_c0_g1_i1.p1	3	5	7
07985_TRINITY_DN13154_c0_g1_i5.p1	3	5	5
07985_TRINITY_DN16466_c0_g1_i1.p1	2	2	6
08000_TRINITY_DN8017_c0_g1_i1.p1	3	5	7
08013_TRINITY_DN15450_c0_g1_i10.p1	3	5	7
08047_TRINITY_DN12841_c0_g3_i1.p1	2	4	6
08047_TRINITY_DN12841_c0_g4_i1.p1	3	5	8
08047_TRINITY_DN20139_c0_g1_i2.p1	3	2	7
08047_TRINITY_DN3814_c0_g1_i1.p1	3	5	7
08047_TRINITY_DN40940_c0_g1_i1.p1	3	5	7
08047_TRINITY_DN9371_c0_g1_i1.p1	3	5	5
08059_TRINITY_DN15318_c0_g1_i1.p1	3	5	7
08059_TRINITY_DN21671_c0_g3_i2.p1	3	4	7
08105_TRINITY_DN13029_c0_g1_i2.p1	3	3	6
08105_TRINITY_DN17503_c2_g2_i1.p1	2	5	5
08105_TRINITY_DN18453_c0_g6_i1.p1	3	4	5
08105_TRINITY_DN18453_c0_g7_i3.p1	3	3	8
08105_TRINITY_DN18453_c0_g8_i1.p1	3	5	6
08105_TRINITY_DN19447_c2_g1_i2.p1	1	2	6
08177_TRINITY_DN10429_c0_g1_i1.p1	3	5	7
08177_TRINITY_DN14590_c0_g1_i4.p1	3	5	7
08177_TRINITY_DN15227_c0_g1_i2.p1	3	5	8
08177_TRINITY_DN15587_c2_g1_i6.p1	3	2	5
08177_TRINITY_DN8805_c0_g1_i1.p1	3	5	7
08256_TRINITY_DN17080_c0_g1_i1.p1	3	5	7
08260_TRINITY_DN10084_c0_g1_i1.p1	3	5	5

08260_TRINITY_DN10225_c0_g1_i1.p1	2	3	6
08260_TRINITY_DN23036_c0_g1_i1.p1	3	5	7
08260_TRINITY_DN4478_c0_g1_i2.p1	3	4	7
08260_TRINITY_DN7294_c0_g1_i1.p1	2	4	6
08394_TR26221 c0_g1_i1.p1	3	5	7
08394_TR49783 c0_g1_i2.p1	3	5	7
08394_TR59488 c0_g1_i4.p1	3	5	8
08394_TR71450 c0_g1_i1.p1	3	5	5
08394_TR9579 c0_g1_i1.p1	3	5	7
08424_TR12659 c0_g1_i1.p1	3	5	7
08424_TR39201 c0_g1_i1.p1	3	5	5
08424_TR58269 c3_g1_i1.p1	3	5	7
08424_TR60675 c0_g1_i2.p1	3	5	8
08424_TR82680 c0_g1_i1.p1	3	5	7
08437_TR46552 c0_g1_i1.p1	3	5	7
08437_TR46552 c0_g2_i1.p1	3	5	7
08455_TR25881 c0_g2_i1.p1	2	2	7
08514A_TRINITY_DN19296_c0_g1_i4.p1	2	2	6
08514A_TRINITY_DN284_c0_g1_i2.p1	3	5	7
08514A_TRINITY_DN284_c1_g1_i1.p1	3	5	7
08514A_TRINITY_DN432_c0_g1_i2.p1	3	3	5
08514A_TRINITY_DN5569_c0_g1_i1.p1	3	5	8
08580A_TRINITY_DN2010_c0_g1_i5.p1	2	2	6
08580A_TRINITY_DN2102_c0_g1_i1.p1	3	2	8
08580A_TRINITY_DN6782_c0_g1_i1.p1	3	5	7
08734A_TR18046 c0_g1_i1.p1	3	5	7
08734A_TR18454 c0_g1_i1.p1	3	2	8
08734A_TR42451 c0_g1_i1.p1	3	5	5
08734A_TR43949 c2_g27_i1.p1	2	3	6
08734A_TR50114 c0_g1_i1.p1	3	5	7
08771A_TR11115 c0_g2_i1.p1	3	5	7
08784_TR23330 c0_g1_i1.p1	3	5	7
08889A_TR49557 c0_g1_i1.p2	3	5	7
08891A_TR8629 c0_g1_i1.p1	3	5	7
08894A_TR12296 c0_g1_i1.p1	3	5	7
08894A_TR25523 c0_g1_i2.p1	3	5	7
08894A_TR38776 c0_g1_i1.p1	3	2	7
08894A_TR54899 c0_g1_i2.p1	2	4	6
08894A_TR7962 c0_g1_i1.p1	3	5	5
08895A_TRINITY_DN12040_c0_g1_i1.p1	2	2	6
08895A_TRINITY_DN6112_c0_g1_i3.p1	2	2	6
08895A_TRINITY_DN6112_c0_g2_i4.p1	2	2	6
08895A_TRINITY_DN8594_c0_g1_i1.p1	3	5	5
08895A_TRINITY_DN9282_c0_g1_i14.p1	3	4	7
08914A_TR40204 c0_g1_i1.p1	3	5	5
08914A_TR57633 c0_g1_i1.p1	2	4	6
08914A_TR65801 c0_g1_i1.p1	3	5	7
08914A_TR78179 c1_g1_i3.p1	3	2	7
08925A_TRINITY_DN16209_c0_g1_i2.p1	3	5	7
08925A_TRINITY_DN21057_c1_g1_i6.p1	3	3	8
08928A_TRINITY_DN9659_c0_g1_i1.p1	3	5	6
08951A_TRINITY_DN12312_c0_g1_i2.p1	3	2	7
08951A_TRINITY_DN12497_c0_g1_i1.p1	3	5	7
08951A_TRINITY_DN14423_c4_g9_i2.p1	3	2	7
08951A_TRINITY_DN14492_c3_g13_i1.p1	3	5	8
08951A_TRINITY_DN14492_c3_g5_i3.p1	2	5	6
08951A_TRINITY_DN16624_c0_g1_i2.p1	3	5	5
08951A_TRINITY_DN6186_c0_g1_i1.p1	3	2	6
09032A_TRINITY_DN617_c0_g1_i3.p1	3	5	7
09154A_TRINITY_DN14794_c1_g1_i4.p1	2	5	6
09154A_TRINITY_DN14794_c1_g2_i1.p1	3	5	6
09154A_TRINITY_DN14794_c1_g3_i1.p1	3	5	8
09154A_TRINITY_DN14794_c1_g6_i1.p1	3	5	7
09154A_TRINITY_DN9229_c0_g1_i1.p1	3	5	6
09155A_TRINITY_DN12617_c0_g2_i1.p1	3	5	7
09155A_TRINITY_DN18016_c0_g1_i2.p1	3	5	7
09155A_TRINITY_DN18016_c1_g11_i1.p1	3	5	7
09155A_TRINITY_DN18016_c1_g2_i8.p1	3	5	6
09161A_TRINITY_DN16526_c0_g1_i1.p1	3	5	7

09161A_TRINITY_DN17834_c0_g1_i2.p1	3	2	5
09161A_TRINITY_DN20343_c1_g1_i17.p1	2	2	5
09161A_TRINITY_DN20343_c1_g2_i2.p1	3	5	7
09265A_TRINITY_DN16253_c1_g1_i1.p1	3	5	7
09334A_TRINITY_DN16882_c0_g1_i1.p1	3	5	7
09383_TR34399 c0_g1_i1.p1	3	5	7
09383_TR39088 c0_g4_i2.p1	3	5	5
09383_TR39870 c0_g1_i1.p1	2	3	6
09383_TR4094 c0_g2_i2.p1	3	5	8
09404_TR77168 c1_g1_i1.p1	3	5	7
09679_TR28550 c1_g2_i1.p1	3	5	7
09679_TR39548 c0_g2_i1.p1	3	5	6
09688_TR10149 c0_g2_i1.p1	3	5	7
09688_TR23122 c0_g1_i1.p1	3	5	7
09688_TR24127 c0_g1_i2.p1	3	2	7
09688_TR34422 c0_g1_i2.p1	3	5	6
09688_TR55094 c0_g1_i1.p1	2	3	6
09688_TR61015 c0_g1_i1.p1	3	5	5
09688_TR75249 c3_g2_i1.p1	3	2	8
09701_TR37704 c0_g1_i1.p1	3	5	8
09701_TR62138 c0_g1_i1.p1	3	5	5
09701_TR62721 c0_g2_i1.p1	3	5	6
09701_TR71525 c0_g1_i1.p1	3	2	6
09701_TR81188 c0_g1_i3.p1	3	5	7
09705_TR26286 c0_g1_i1.p2	3	5	7
09714_TR15715 c0_g1_i1.p1	2	3	6
09714_TR24093 c0_g1_i1.p1	2	4	6
09714_TR24589 c0_g1_i2.p1	3	4	7
09714_TR53750 c0_g1_i3.p1	3	5	7
09714_TR83213 c1_g1_i1.p1	3	5	5
09714_TR84211 c0_g1_i1.p1	3	5	7
09724_TR29580 c0_g1_i1.p1	3	5	7
09724_TR34208 c0_g1_i1.p1	3	5	8
09724_TR67421 c0_g1_i1.p1	3	5	5
09724_TR67421 c0_g2_i1.p1	3	5	5
09747_TR49118 c0_g1_i2.p1	3	5	7
09747_TR81661 c0_g1_i1.p1	3	5	7
09747_TR87688 c0_g1_i1.p1	3	5	5
09747_TR90773 c0_g1_i1.p1	2	2	6
09748_TR1570 c0_g1_i1.p1	2	3	6
09748_TR17559 c0_g1_i1.p1	3	5	5
09748_TR31480 c0_g1_i1.p1	3	5	7
09748_TR40481 c0_g1_i1.p1	3	5	7
09748_TR45625 c0_g2_i1.p1	3	5	7
09751_TR25477 c0_g1_i1.p1	3	5	7
09751_TR27225 c1_g1_i1.p1	3	5	7
09751_TR42594 c0_g1_i1.p1	3	5	5
09751_TR48568 c0_g1_i1.p1	2	2	6
09757_TR17806 c0_g3_i1.p1	3	5	7
09757_TR33071 c0_g1_i1.p1	3	5	5
09757_TR47670 c0_g3_i1.p1	3	5	8
09757_TR62409 c0_g1_i1.p1	3	4	7
09766_TR39516 c0_g1_i1.p1	2	3	6
09766_TR39516 c0_g2_i1.p1	2	3	6
09766_TR59914 c0_g1_i3.p1	3	5	7
09766_TR71545 c0_g1_i1.p1	3	5	5
09766_TR7412 c0_g1_i1.p1	3	5	7
09767_TR39894 c0_g1_i1.p1	3	5	7
09767_TR45570 c0_g1_i1.p1	2	3	6
09767_TR50099 c0_g4_i1.p1	3	5	8
09767_TR59650 c1_g1_i2.p1	3	5	5
09767_TR69369 c0_g2_i1.p1	3	5	7
09772_TR16653 c1_g1_i2.p1	3	5	5
09772_TR24772 c0_g1_i1.p1	3	5	7
09772_TR24772 c1_g1_i1.p1	3	5	7
09772_TR7882 c0_g1_i1.p1	3	5	8
09772_TR9742 c0_g2_i1.p1	2	3	6
09772_TR9742 c0_g3_i1.p1	2	3	6
09773_TR10127 c1_g1_i2.p1	3	5	5

09773_TR27587 c0_g1_i2.p1	2	3	6
09773_TR52270 c0_g1_i1.p1	3	5	7
09773_TR58181 c0_g1_i1.p1	3	5	7
09823_TR13549 c0_g1_i1.p1	3	3	7
09823_TR34918 c1_g1_i1.p1	3	5	7
09823_TR42479 c0_g1_i1.p1	3	2	6
09823_TR6367 c0_g1_i1.p1	3	5	8
09826_TR25433 c0_g1_i1.p1	3	5	7
10378A_TRINITY_DN16933_c3_g1_i5.p1	2	5	6
10378A_TRINITY_DN16933_c3_g8_i3.p1	3	5	7
10378A_TRINITY_DN19348_c1_g1_i1.p1	3	2	7
10378A_TRINITY_DN20014_c1_g1_i1.p1	3	2	5
10465A_TRINITY_DN11610_c0_g1_i7.p1	3	5	7
10465A_TRINITY_DN12613_c3_g5_i2.p1	3	2	6
10465A_TRINITY_DN12746_c1_g2_i3.p1	2	2	6
10465A_TRINITY_DN12749_c3_g1_i4.p2	3	3	8
10465A_TRINITY_DN13405_c3_g1_i2.p1	3	5	7
10478A_TRINITY_DN20105_c0_g1_i1.p1	2	3	6
10478A_TRINITY_DN22857_c1_g1_i3.p1	3	5	5
10478A_TRINITY_DN22857_c1_g2_i1.p1	3	5	8
10478A_TRINITY_DN24511_c0_g1_i8.p1	3	2	7
10499A_TRINITY_DN3870_c0_g1_i1.p1	3	5	7
10583A_TRINITY_DN13139_c1_g1_i3.p1	0	1	6
10583A_TRINITY_DN2960_c0_g1_i11.p1	3	5	8
10583A_TRINITY_DN423_c2_g1_i8.p1	2	3	6
10583A_TRINITY_DN97232_c0_g1_i1.p1	3	5	7
10661A_TRINITY_DN694_c1_g1_i2.p1	3	5	7
10661A_TRINITY_DN9831_c0_g1_i2.p1	3	2	7
10669A_TRINITY_DN3670_c0_g1_i5.p1	3	5	7
10681A_TRINITY_DN11033_c0_g1_i1.p1	3	5	7
10681A_TRINITY_DN4804_c1_g1_i2.p1	3	2	7
10742A_TRINITY_DN15139_c0_g1_i2.p1	3	5	7
10742A_TRINITY_DN17836_c0_g1_i2.p1	3	5	7
11097A_TRINITY_DN10414_c0_g1_i2.p1	2	3	6
11110A_TRINITY_DN1809_c0_g1_i4.p1	2	3	6
11110A_TRINITY_DN5497_c0_g1_i1.p1	3	4	6
11113A_TRINITY_DN5801_c1_g1_i1.p1	3	5	7
11140A_TRINITY_DN17024_c1_g1_i2.p1	3	5	6
11140A_TRINITY_DN22004_c0_g1_i2.p1	2	3	6
11140A_TRINITY_DN25183_c0_g1_i2.p1	3	3	5
11140A_TRINITY_DN8912_c0_g1_i1.p1	3	5	7
11140A_TRINITY_DN90702_c0_g1_i1.p1	2	3	3
11264A_TRINITY_DN15735_c0_g2_i1.p1	2	4	6
11264A_TRINITY_DN25576_c0_g1_i3.p1	3	5	7
11264A_TRINITY_DN28875_c1_g7_i1.p1	3	5	5
11264A_TRINITY_DN29295_c2_g2_i2.p1	3	4	7
11264A_TRINITY_DN30823_c2_g2_i2.p1	3	5	8
11264A_TRINITY_DN78675_c0_g1_i1.p1	3	5	7
11296A_TRINITY_DN21804_c0_g1_i4.p1	2	4	6
11326A_TRINITY_DN15417_c0_g1_i3.p1	3	2	6
11326A_TRINITY_DN18858_c1_g1_i3.p1	3	5	7
11374B_TRINITY_DN24057_c0_g1_i1.p1	3	5	7
11522A_TRINITY_DN113481_c0_g1_i1.p1	3	5	7
11522A_TRINITY_DN113481_c0_g1_i1.p2	3	5	7
11522A_TRINITY_DN1580_c0_g1_i11.p1	3	3	6
11539A_TRINITY_DN11260_c0_g1_i3.p1	3	2	6
11539A_TRINITY_DN153_c0_g1_i5.p1	3	4	7
11539A_TRINITY_DN4400_c0_g1_i2.p1	3	5	7
11578B_TRINITY_DN11577_c0_g1_i1.p1	3	5	7
11578B_TRINITY_DN15794_c0_g1_i6.p1	3	5	8
11578B_TRINITY_DN15912_c0_g1_i1.p1	3	4	5
11648B_TRINITY_DN15344_c0_g2_i2.p1	2	5	5
11648B_TRINITY_DN20564_c0_g1_i4.p1	3	2	8
11648B_TRINITY_DN20646_c1_g1_i2.p1	3	5	7
12140A_TRINITY_DN10424_c0_g1_i1.p1	2	5	5
12140A_TRINITY_DN14186_c2_g1_i1.p1	3	5	8
12140A_TRINITY_DN14186_c2_g2_i3.p1	3	5	6
12140A_TRINITY_DN16422_c0_g1_i1.p1	1	2	6
12140A_TRINITY_DN17204_c1_g1_i1.p1	3	5	7

12225A_TRINITY_DN15467_c1_g4_i3.p1	3	4	4
12225A_TRINITY_DN19491_c1_g2_i3.p1	3	5	7
12225A_TRINITY_DN2650_c0_g1_i1.p1	2	5	6
12225A_TRINITY_DN32883_c0_g1_i1.p1	2	5	5
12267A_TRINITY_DN20661_c0_g1_i2.p1	3	5	7
12267A_TRINITY_DN38221_c0_g1_i1.p1	2	3	6
12310A_TRINITY_DN5224_c0_g1_i1.p1	3	5	7
12517B_TRINITY_DN14259_c0_g1_i4.p1	3	5	7
12517B_TRINITY_DN15466_c0_g1_i11.p1	2	5	6
12517B_TRINITY_DN15623_c1_g1_i6.p1	2	3	4
12517B_TRINITY_DN9083_c0_g1_i2.p1	3	3	5
12596A_TRINITY_DN4303_c0_g1_i1.p1	3	5	7
12597A_TRINITY_DN1219_c1_g2_i3.p1	3	2	6
12597A_TRINITY_DN1579_c0_g1_i1.p1	3	5	7
12597A_TRINITY_DN4502_c0_g1_i13.p1	2	2	5
12603A_TRINITY_DN25481_c0_g1_i1.p1	3	5	7
12603A_TRINITY_DN457_c0_g3_i1.p1	3	2	7
12619A_TRINITY_DN46724_c0_g1_i3.p1	3	5	8
12621A_TRINITY_DN8213_c0_g1_i1.p1	3	5	7
12623A_TRINITY_DN11327_c0_g1_i4.p1	3	3	8
12623A_TRINITY_DN5038_c0_g1_i3.p1	3	5	7
12652A_TRINITY_DN11558_c0_g1_i5.p1	3	5	7
12652A_TRINITY_DN26705_c0_g1_i1.p1	3	2	8
12652A_TRINITY_DN2951_c0_g1_i4.p1	3	2	5
12674A_TRINITY_DN1814_c0_g1_i1.p1	3	5	7
12685A_TRINITY_DN1435_c0_g1_i14.p1	3	5	7
12694A_TRINITY_DN3366_c0_g1_i1.p1	3	5	7
12694A_TRINITY_DN3366_c0_g1_i1.p2	3	2	7
12695A_TRINITY_DN4522_c0_g1_i1.p1	3	5	7
12699A_TRINITY_DN21299_c0_g1_i11.p1	3	5	8
12699A_TRINITY_DN4039_c0_g1_i1.p1	3	5	7
12699A_TRINITY_DN5057_c0_g1_i13.p1	2	2	5
12699A_TRINITY_DN984_c0_g1_i2.p1	2	4	6
12730A_TRINITY_DN1672_c0_g1_i1.p1	2	2	7
12730A_TRINITY_DN5289_c0_g1_i17.p1	0	1	6
12731A_TRINITY_DN122164_c0_g1_i1.p1	3	5	7
12739A_TRINITY_DN2705_c0_g1_i2.p1	3	5	8
12739A_TRINITY_DN3914_c0_g1_i2.p1	3	2	7
12739A_TRINITY_DN4084_c0_g1_i1.p1	2	2	6
12739A_TRINITY_DN46455_c0_g1_i2.p1	2	4	6
12739A_TRINITY_DN5812_c0_g1_i3.p1	3	2	7
12739A_TRINITY_DN6408_c0_g1_i2.p1	3	4	6
12745A_TRINITY_DN2982_c0_g1_i7.p1	3	4	7
12745A_TRINITY_DN4264_c0_g1_i4.p1	3	2	7
12745A_TRINITY_DN443_c0_g1_i1.p1	2	3	6
12745A_TRINITY_DN7310_c0_g1_i1.p1	3	5	8
12746A_TRINITY_DN2780_c0_g1_i19.p2	3	4	6
12748A_TRINITY_DN124463_c1_g1_i1.p1	3	5	7
12753A_TRINITY_DN11486_c0_g2_i1.p1	3	5	8
12753A_TRINITY_DN11486_c0_g2_i1.p2	3	5	8
12753A_TRINITY_DN172812_c0_g1_i1.p1	3	5	6
12753A_TRINITY_DN172812_c0_g1_i1.p2	3	5	6
12754A_TRINITY_DN1200_c0_g2_i3.p1	3	5	8
12754A_TRINITY_DN13911_c0_g1_i2.p1	2	2	6
12754A_TRINITY_DN14062_c0_g1_i4.p1	3	3	5
12754A_TRINITY_DN34734_c0_g1_i1.p1	2	5	6
12754A_TRINITY_DN5759_c0_g1_i2.p1	3	4	7
12754A_TRINITY_DN618_c1_g1_i2.p2	3	5	7
12779A_TRINITY_DN10409_c0_g1_i11.p1	3	5	6
12779A_TRINITY_DN112862_c0_g1_i1.p1	3	5	7
12787A_TRINITY_DN1250_c0_g1_i2.p1	2	3	6
12787A_TRINITY_DN33349_c0_g1_i4.p1	3	2	6
12787A_TRINITY_DN626_c0_g1_i4.p1	3	2	5
12794A_TRINITY_DN1935_c0_g1_i6.p2	3	5	7
12803A_TRINITY_DN10142_c0_g2_i1.p1	3	3	7
12803A_TRINITY_DN10277_c0_g1_i7.p1	3	5	7
12803A_TRINITY_DN10679_c0_g1_i1.p1	2	4	6
12803A_TRINITY_DN316_c0_g1_i3.p1	2	2	5
12807A_TRINITY_DN5120_c0_g1_i2.p1	3	5	7

12823A_TRINITY_DN1025_c0_g1_i2.p1	3	5	7
12823A_TRINITY_DN23858_c0_g1_i2.p1	3	5	8
12823A_TRINITY_DN3201_c0_g1_i1.p1	3	5	6
12823A_TRINITY_DN5891_c0_g1_i1.p1	2	3	6
12876A_TRINITY_DN15654_c0_g1_i2.p1	3	2	6
12876A_TRINITY_DN583_c0_g1_i1.p1	3	5	7
12909A_TRINITY_DN14947_c0_g1_i1.p1	2	5	6
12909A_TRINITY_DN15266_c0_g1_i4.p1	3	2	6
12909A_TRINITY_DN15710_c0_g1_i1.p1	3	5	5
12909A_TRINITY_DN2852_c0_g1_i2.p1	3	2	8
12909A_TRINITY_DN42921_c0_g1_i1.p1	2	2	6
12909A_TRINITY_DN7726_c0_g1_i1.p1	3	5	7
12909A_TRINITY_DN8071_c0_g1_i2.p1	3	4	6
12919A_TRINITY_DN146_c0_g1_i7.p1	3	5	7
12919A_TRINITY_DN20889_c0_g1_i5.p1	2	2	6
12919A_TRINITY_DN23397_c0_g1_i2.p1	2	2	7
12919A_TRINITY_DN40230_c0_g1_i7.p1	2	3	6
12926A_TRINITY_DN12201_c0_g1_i14.p1	2	2	5
12926A_TRINITY_DN328_c0_g1_i15.p1	3	2	8
12926A_TRINITY_DN7816_c0_g1_i1.p1	3	5	7
12926A_TRINITY_DN923_c0_g1_i6.p1	2	2	6
12960A_TRINITY_DN3710_c0_g1_i2.p1	3	5	7
12960A_TRINITY_DN5868_c0_g1_i6.p1	3	2	6
12960A_TRINITY_DN77_c0_g1_i10.p1	3	4	7
12974A_TRINITY_DN1587_c0_g1_i1.p1	3	5	7
12974A_TRINITY_DN2307_c0_g3_i2.p1	3	5	6
12974A_TRINITY_DN5933_c0_g1_i2.p1	3	5	7
12985A_TRINITY_DN27122_c0_g1_i4.p1	3	5	6
12985A_TRINITY_DN30050_c0_g1_i9.p1	2	3	6
12985A_TRINITY_DN4782_c0_g1_i3.p1	3	5	7
12985A_TRINITY_DN5308_c0_g1_i4.p1	3	4	7
12998A_TRINITY_DN3821_c0_g1_i8.p2	3	5	7
12999A_TRINITY_DN705_c0_g1_i5.p2	3	5	7
13004A_TRINITY_DN3220_c0_g1_i1.p1	2	2	6
13004A_TRINITY_DN3451_c0_g1_i3.p1	3	3	7
13004A_TRINITY_DN490_c0_g1_i8.p1	2	2	6
13004A_TRINITY_DN680_c1_g2_i1.p1	1	4	6
13004A_TRINITY_DN7708_c0_g2_i11.p1	3	4	7
13008A_TRINITY_DN11540_c1_g1_i1.p1	3	4	6
13008A_TRINITY_DN11540_c1_g1_i1.p2	3	5	7
13009A_TRINITY_DN14523_c0_g1_i1.p1	3	5	7
13009A_TRINITY_DN36776_c0_g1_i3.p1	3	4	4
13016A_TRINITY_DN4927_c0_g1_i4.p1	3	5	7
13031A_TRINITY_DN92957_c1_g1_i1.p1	3	5	7
13062A_TRINITY_DN11054_c0_g1_i1.p1	3	5	7
13062A_TRINITY_DN2860_c0_g1_i1.p1	3	5	8
13063A_TRINITY_DN89323_c0_g1_i1.p1	3	5	7
13063A_TRINITY_DN89323_c0_g1_i1.p2	3	5	7
13066A_TRINITY_DN16859_c0_g1_i2.p1	3	5	7
13066A_TRINITY_DN689_c0_g1_i2.p1	3	5	7
13066A_TRINITY_DN7260_c0_g1_i1.p1	3	2	6
13088A_TRINITY_DN1403_c0_g1_i2.p1	3	5	7
13088A_TRINITY_DN20638_c0_g1_i1.p1	2	2	6
13089A_TRINITY_DN13820_c0_g1_i1.p1	3	5	7
13089A_TRINITY_DN3374_c0_g1_i3.p1	3	5	8
13089A_TRINITY_DN53274_c0_g1_i4.p1	3	5	7
13097A_TRINITY_DN17657_c0_g1_i1.p1	3	5	7
13116A_TRINITY_DN1937_c0_g1_i4.p2	3	5	7
13134A_TRINITY_DN200_c2_g1_i5.p1	3	3	7
13134A_TRINITY_DN4785_c0_g1_i1.p1	3	5	7
13137A_TRINITY_DN24791_c0_g1_i6.p1	3	2	5
13137A_TRINITY_DN27817_c0_g1_i12.p1	3	5	6
13137A_TRINITY_DN5766_c1_g1_i1.p1	3	5	7
13139A_TRINITY_DN973_c0_g1_i4.p1	3	5	7
13140A_TRINITY_DN5026_c0_g1_i1.p1	3	5	7
13140A_TRINITY_DN8877_c0_g1_i1.p1	3	5	7
13143A_TRINITY_DN1096_c0_g1_i1.p1	3	5	7
13143A_TRINITY_DN47094_c0_g1_i2.p1	3	5	7
13163A_TRINITY_DN1021_c0_g1_i10.p1	3	5	7

13163A_TRINITY_DN15934_c0_g1_i3.p1	3	5	7
13163A_TRINITY_DN26539_c0_g1_i7.p1	3	2	6
13163A_TRINITY_DN5318_c1_g1_i3.p1	2	5	5
13163A_TRINITY_DN72163_c0_g1_i6.p1	2	2	5
13163A_TRINITY_DN7440_c0_g3_i4.p1	2	2	6
13165A_TRINITY_DN4367_c0_g1_i2.p1	2	2	7
13165A_TRINITY_DN67421_c0_g1_i1.p1	3	2	7
13182A_TRINITY_DN13339_c0_g1_i1.p1	3	5	6
13182A_TRINITY_DN22363_c0_g1_i1.p1	2	2	5
13196A_TRINITY_DN1033_c0_g1_i15.p1	2	3	7
13196A_TRINITY_DN41482_c0_g1_i1.p1	3	4	6
13196A_TRINITY_DN41529_c1_g1_i1.p1	2	2	6
13196A_TRINITY_DN41529_c1_g2_i1.p1	2	2	6
13202A_TRINITY_DN595_c0_g1_i2.p1	3	5	7
13202A_TRINITY_DN83886_c0_g1_i3.p1	3	5	7
13214A_TRINITY_DN12691_c0_g1_i3.p1	3	5	7
13214A_TRINITY_DN2057_c0_g1_i6.p1	3	4	7
13214A_TRINITY_DN370_c0_g1_i5.p1	3	2	8
13214A_TRINITY_DN5700_c0_g1_i9.p1	2	4	6
13216A_TRINITY_DN1159_c0_g1_i7.p1	3	2	7
13216A_TRINITY_DN12919_c0_g1_i1.p1	3	5	7
13271A_TRINITY_DN18059_c0_g1_i1.p1	3	5	8
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13271A_TRINITY_DN7443_c0_g1_i1.p1	3	2	5
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BN01692_TR49844 c0_g4_i1.p1	3	5	7
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BN01830_TR47911 c0_g10_i2.p1	3	2	7
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BN01846_TR42232 c0_g1_i1.p1	3	2	5
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CC00479A_TRINITY_DN10076_c0_g2_i1.p1	3	4	6
CC00479A_TRINITY_DN10779_c0_g1_i3.p1	3	5	7
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CC00494A_TRINITY_DN17496_c0_g1_i3.p1	3	5	7
CC00494A_TRINITY_DN47936_c0_g1_i1.p1	3	5	7
CC00505A_TRINITY_DN24483_c0_g1_i1.p1	3	5	7
CD00559_TR12873 c0_g1_i1.p1	2	3	6
CD00559_TR14777 c0_g1_i1.p1	2	5	7
CD00559_TR29192 c0_g1_i1.p1	3	5	8
CD00559_TR29192 c0_g2_i1.p1	3	5	8
CD00559_TR44145 c0_g1_i1.p1	3	5	5
CD00559_TR44145 c0_g2_i1.p1	3	5	5

CD00559_TR49982 c0_g1_i4.p1	3	5	6
CD00559_TR60308 c0_g3_i1.p1	3	5	7
CD00559_TR63214 c0_g1_i1.p1	3	5	7
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CQ00662_TR22130 c0_g17_i1.p1	3	5	8
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CQ00776_TR40566 c0_g2_i1.p1	3	5	8
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CQ00776_TR49111 c0_g2_i1.p1	2	4	6
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CQ00787_TR15125 c0_g1_i1.p1	3	5	7
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CQ00787_TR41115 c0_g1_i1.p1	3	3	7
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CQ00790_TR49478 c0_g1_i1.p1	3	5	8
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CQ00791_TR1694 c0_g1_i1.p1	2	2	6
CQ00791_TR31748 c0_g1_i1.p1	2	3	6
CQ00791_TR43505 c0_g1_i1.p1	3	5	7
CQ00791_TR45628 c0_g2_i1.p1	3	2	8
CQ00838_TR12557 c1_g1_i1.p1	3	5	6
CQ00838_TR15083 c0_g1_i1.p1	3	5	8
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CQ00838_TR33556 c0_g1_i3.p1	3	4	6
CQ00918_TR22113 c0_g1_i1.p1	3	5	7
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CQ00918_TR4738 c0_g1_i1.p1	3	5	7
CQ00918_TR47550 c0_g1_i6.p1	3	2	5
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CQ00918_TR69475 c0_g1_i1.p1	2	3	6
CQ00921_TR3192 c0_g1_i1.p1	2	3	6
CQ00921_TR37364 c0_g1_i1.p1	3	5	6
CQ00921_TR51622 c1_g1_i1.p1	3	3	7
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CQ00940_TR13671 c0_g1_i1.p1	3	2	5
CQ00940_TR74974 c3_g1_i2.p1	3	3	5
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CQ00952_TR47507 c0_g1_i1.p1	3	5	7
CQ00966_TR24853 c0_g1_i1.p1	3	5	6
CQ00966_TR28897 c0_g1_i1.p1	2	3	6
CQ00966_TR33898 c0_g1_i1.p1	3	5	7
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CQ01025_TR33945 c0_g1_i1.p1	3	5	7
CQ01025_TR40749 c0_g1_i1.p1	3	5	7
CQ01025_TR47691 c0_g1_i2.p1	3	5	7
CQ01025_TR59127 c0_g1_i1.p1	3	5	8
CQ01036_TR11529 c0_g1_i1.p1	3	5	7
CQ01036_TR11700 c0_g1_i1.p1	3	5	5
CQ01036_TR33760 c0_g1_i2.p1	3	2	7
CQ01036_TR62001 c0_g1_i1.p1	3	5	7
CQ01174_TRINITY_DN10800_c0_g1_i1.p1	3	3	6
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CQ01174_TRINITY_DN12276_c0_g4_i1.p1	3	5	8
CQ01174_TRINITY_DN17412_c0_g3_i3.p1	3	5	7
CQ01174_TRINITY_DN19158_c0_g2_i1.p1	3	3	5
CS00127_TRINITY_DN11907_c0_g1_i2.p1	3	2	7
CS00127_TRINITY_DN12185_c0_g1_i2.p1	3	5	7
CS00127_TRINITY_DN13762_c0_g1_i4.p2	3	2	5
CS00127_TRINITY_DN17333_c2_g1_i4.p1	2	2	6
CS00127_TRINITY_DN17333_c2_g3_i2.p1	3	5	6
CS00128_TRINITY_DN15161_c1_g2_i2.p1	3	2	7
CS00128_TRINITY_DN17530_c1_g1_i10.p1	3	5	5
CS00128_TRINITY_DN40562_c0_g1_i1.p1	2	3	6
CS00128_TRINITY_DN9024_c0_g1_i1.p1	3	5	7
CS00131_TRINITY_DN11201_c0_g1_i1.p1	3	5	7
CS00131_TRINITY_DN11973_c0_g1_i1.p1	3	5	7
CS00131_TRINITY_DN13739_c0_g1_i5.p1	3	5	5
CS00131_TRINITY_DN15304_c2_g4_i4.p1	3	5	8
CS00131_TRINITY_DN16930_c5_g3_i1.p1	3	2	7
CS00131_TRINITY_DN18468_c4_g1_i1.p1	2	3	6
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CS00280_TRINITY_DN11074_c1_g1_i1.p1	3	5	7
CS00280_TRINITY_DN6552_c0_g1_i1.p1	3	5	5
EM00020_TR13003c0_g2_i1.p1	3	5	7
EM00036_TR14480c0_g1_i2.p1	3	5	8
EM00036_TR18090c1_g1_i1.p1	3	5	6
EM00036_TR30102c0_g2_i1.p1	2	4	6
EM00036_TR42108c0_g1_i1.p1	2	2	6
EM00036_TR7405c2_g1_i1.p1	2	3	5
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EM00105_TRINITY_DN12120_c0_g1_i1.p2	3	5	7
EM00109_TRINITY_DN327_c0_g1_i1.p1	3	5	7
EM00109_TRINITY_DN327_c3_g1_i1.p1	3	5	7
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EM00142_TR30589c0_g1_i1.p1	3	5	7
EM00156_TR14101c0_g1_i1.p1	3	5	7
EM00156_TR20848c0_g1_i1.p1	3	3	6
EM00156_TR22048c0_g1_i1.p1	2	2	6
EM00156_TR22265c0_g1_i1.p1	2	5	5
EM00156_TR25366c0_g2_i1.p1	3	5	7
EM00195_TR32802c0_g1_i3.p1	3	5	8
EM00195_TR35887c0_g1_i1.p1	3	5	7
EM00195_TR44122c0_g1_i1.p1	2	5	5
EM00204_TR32599c0_g1_i1.p2	3	5	7
EM00218_TR26188c4_g1_i1.p1	3	5	8
EM00218_TR27432c0_g2_i2.p1	3	5	7
EM00218_TR31610c0_g2_i1.p1	3	2	6
EM00244_TR65818c0_g1_i2.p2	3	5	7
EM00268_TR11452c0_g1_i3.p1	1	3	6
EM00268_TR27304c0_g1_i3.p1	3	5	6
EM00268_TR27349c0_g1_i1.p1	2	5	5
EM00268_TR28796c1_g1_i1.p1	2	5	6
EM00268_TR36351c0_g13_i1.p1	3	5	7
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HH00994A_TRINITY_DN5641_c0_g2_i1.p1	3	5	7
HH01018A_TRINITY_DN12609_c0_g1_i2.p1	3	5	8
HH01018A_TRINITY_DN13071_c0_g1_i2.p1	3	5	7
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HH01018A_TRINITY_DN2466_c0_g1_i5.p2	3	5	6
HRB0063B_TRINITY_DN1952_c0_g1_i2.p1	3	5	7
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HRB0111B_TRINITY_DN7047_c0_g1_i2.p1	3	5	8
HRB0204B_TRINITY_DN55282_c0_g1_i1.p1	3	4	6
HRB0324B_TRINITY_DN3288_c0_g1_i5.p1	3	2	5
HRB0324B_TRINITY_DN5570_c0_g1_i1.p1	2	3	6
SY00867A_TRINITY_DN18390_c0_g1_i1.p1	3	2	7

SY00867A_TRINITY_DN2779_c5_g1_i4.p1	2	2	6
SY00867A_TRINITY_DN8538_c0_g1_i2.p1	3	4	6
SY00890A_TRINITY_DN178_c3_g1_i2.p1	3	2	6
SY00890A_TRINITY_DN2348_c0_g1_i4.p1	3	5	6
TLF00928_TR56847 c0_g1_i1.p1	3	5	7
TLF01005_TRINITY_DN3388_c0_g1_i1.p1	3	5	7
TLF01018_TRINITY_DN10498_c0_g1_i1.p1	3	5	5
TLF01018_TRINITY_DN16979_c0_g1_i4.p1	3	5	7
TLF01018_TRINITY_DN6742_c0_g1_i1.p1	3	5	7
XA00077_TR20457 c0_g1_i1.p1	3	4	7
XA00077_TR53730 c0_g1_i1.p1	3	5	8
XA00077_TR53730 c0_g3_i1.p1	3	5	5
XA00077_TR53730 c0_g6_i1.p1	3	4	8
XA00077_TR6077 c0_g1_i1.p1	3	5	6
XA00103_TR44382 c0_g8_i2.p1	3	5	7
XA00103_TR64529 c0_g3_i1.p1	3	5	5
XA00103_TR71690 c0_g1_i1.p1	3	5	7
XA00201_TRINITY_DN138114_c0_g1_i1.p1	3	5	7
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XA00201_TRINITY_DN4186_c0_g1_i2.p1	3	5	5
XA00201_TRINITY_DN6160_c0_g1_i4.p1	3	5	7
XA00224_TRINITY_DN4523_c0_g2_i3.p1	3	5	5
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XA00244_TRINITY_DN10707_c0_g1_i3.p1	3	5	7
XA00244_TRINITY_DN10707_c0_g1_i3.p2	3	5	7
XA00244_TRINITY_DN6630_c0_g1_i3.p1	3	5	7
XA00278_TRINITY_DN11716_c0_g1_i1.p1	3	4	7
XA00278_TRINITY_DN16702_c0_g1_i1.p1	3	5	8
XA00278_TRINITY_DN5208_c0_g1_i3.p1	3	4	6
XA00278_TRINITY_DN7865_c0_g1_i1.p1	2	3	6
XA00290_TRINITY_DN3556_c0_g1_i2.p2	3	5	7
XA00577_TR14023 c0_g1_i2.p1	3	5	7
XA00577_TR20476 c0_g1_i1.p1	3	5	6
XA00577_TR20476 c0_g2_i1.p1	3	5	8
XA00577_TR20476 c0_g3_i1.p1	2	5	6
XA00577_TR23039 c0_g1_i1.p1	3	5	6
XY00762_TR23903 c0_g1_i1.p1	3	4	6
XY00762_TR31912 c0_g1_i1.p1	2	2	7
XY00762_TR41851 c0_g1_i1.p1	3	3	5
XY00762_TR56043 c0_g1_i1.p1	3	5	8
XY00762_TR56975 c0_g1_i1.p1	3	5	7
YZ0007_TRINITY_DN6558_c0_g1_i1.p1	2	2	7
YZ0007_TRINITY_DN6558_c0_g1_i1.p2	2	2	7
YZ0009_TRINITY_DN10803_c0_g1_i1.p1	3	5	6
YZ0009_TRINITY_DN10803_c1_g1_i1.p1	3	5	6
YZ0009_TRINITY_DN4056_c0_g1_i4.p1	3	2	8
YZ0009_TRINITY_DN4056_c0_g1_i4.p2	3	2	8
YZ0009_TRINITY_DN67975_c0_g1_i1.p1	3	5	7
YZ0010_TRINITY_DN3795_c0_g2_i1.p1	3	5	7
YZ0011_TRINITY_DN1228_c0_g1_i1.p1	3	5	7
YZ0013_TRINITY_DN10293_c0_g1_i8.p1	3	5	6
YZ0013_TRINITY_DN10293_c0_g2_i5.p1	3	5	6
YZ0013_TRINITY_DN8216_c0_g1_i1.p1	3	5	8
YZ0013_TRINITY_DN8216_c0_g2_i1.p1	3	5	8
YZ0016_TRINITY_DN12195_c0_g1_i10.p1	2	2	7
YZ0016_TRINITY_DN12195_c0_g2_i5.p1	3	5	7
YZ0016_TRINITY_DN23261_c1_g2_i3.p1	3	5	8
YZ0016_TRINITY_DN5930_c0_g1_i7.p1	3	5	5
YZ0016_TRINITY_DN5930_c0_g2_i3.p1	3	5	5
YZ0016_TRINITY_DN63876_c0_g1_i1.p1	3	4	7
YZ0016_TRINITY_DN989_c0_g1_i2.p1	3	5	8
YZ0016_TRINITY_DN989_c0_g2_i2.p1	2	4	6
YZ0016_TRINITY_DN989_c0_g2_i2.p2	2	2	6
YZ0016_TRINITY_DN989_c0_g3_i3.p1	3	5	6
YZ0016_TRINITY_DN989_c0_g6_i1.p1	3	5	8
YZ0017_TRINITY_DN10578_c0_g1_i1.p1	3	5	7
YZ0017_TRINITY_DN21173_c0_g1_i1.p1	3	5	7

YZ0022_TRINITY_DN11278_c0_g1_i3.p1	3	5	7
YZ0022_TRINITY_DN3760_c0_g1_i2.p1	3	5	7
YZ0023_TRINITY_DN10343_c0_g1_i3.p1	3	5	7
YZ0023_TRINITY_DN12400_c0_g2_i1.p1	3	5	7
YZ0023_TRINITY_DN1380_c0_g1_i4.p1	3	4	6
YZ0023_TRINITY_DN1380_c0_g2_i1.p1	2	5	7
YZ0026_TRINITY_DN1466_c0_g1_i7.p1	2	3	6
YZ0026_TRINITY_DN14986_c0_g1_i1.p1	2	3	6
YZ0026_TRINITY_DN2023_c0_g1_i12.p1	2	2	7
YZ0026_TRINITY_DN20580_c1_g1_i5.p1	2	3	6
YZ0026_TRINITY_DN2313_c0_g1_i12.p1	2	2	6
YZ0026_TRINITY_DN8556_c1_g1_i3.p1	3	2	7
YZ0027_TRINITY_DN12660_c0_g1_i2.p1	3	2	8
YZ0027_TRINITY_DN12660_c1_g1_i1.p1	3	5	8
YZ0027_TRINITY_DN15135_c0_g1_i3.p1	3	5	7
YZ0027_TRINITY_DN2738_c0_g1_i4.p1	2	2	6
YZ0027_TRINITY_DN9370_c0_g1_i12.p1	3	3	8
YZ0046_TRINITY_DN11956_c0_g1_i4.p1	3	2	8
YZ0046_TRINITY_DN26786_c0_g1_i2.p1	3	4	6
YZ0046_TRINITY_DN27302_c0_g2_i1.p1	2	2	5
YZ0047_TRINITY_DN1088_c1_g1_i1.p1	3	5	7
YZ0047_TRINITY_DN1737_c1_g1_i4.p2	3	5	7
YZ0049_TRINITY_DN122181_c0_g1_i1.p1	3	5	7
YZ0051_TRINITY_DN107516_c0_g1_i1.p1	3	2	7
YZ0051_TRINITY_DN80347_c0_g1_i1.p1	2	2	7
YZ0052_TRINITY_DN108193_c0_g1_i1.p1	3	5	6
YZ0054_TRINITY_DN142991_c0_g1_i2.p1	3	5	5
YZ0054_TRINITY_DN18588_c1_g1_i2.p1	3	2	7
YZ0054_TRINITY_DN18588_c3_g2_i2.p1	3	5	7
YZ0054_TRINITY_DN51132_c0_g1_i1.p1	3	5	7
YZ0054_TRINITY_DN83570_c0_g1_i2.p1	3	5	7
YZ0054_TRINITY_DN84761_c0_g1_i1.p1	3	5	7
YZ0055_TRINITY_DN127277_c0_g1_i1.p1	2	2	6
YZ0055_TRINITY_DN56705_c0_g1_i2.p1	2	3	6
YZ0055_TRINITY_DN87330_c0_g1_i1.p1	3	5	5
YZ0063_TRINITY_DN1520_c0_g1_i1.p1	3	2	8
YZ0063_TRINITY_DN1520_c1_g1_i4.p1	3	5	7
YZ0063_TRINITY_DN2501_c0_g2_i2.p1	3	4	8
YZ0063_TRINITY_DN2501_c0_g3_i1.p1	3	5	8
YZ0063_TRINITY_DN584_c0_g1_i1.p1	3	5	7
YZ0063_TRINITY_DN584_c1_g1_i19.p1	3	5	7
YZ0063_TRINITY_DN9910_c0_g1_i1.p1	3	5	7
YZ0063_TRINITY_DN9947_c1_g2_i1.p1	3	5	5
YZ0064_TRINITY_DN21773_c0_g1_i1.p1	3	5	7
YZ0064_TRINITY_DN22168_c0_g1_i1.p1	3	5	7
YZ0065_TRINITY_DN1591_c0_g1_i12.p1	2	4	6
YZ0065_TRINITY_DN486_c0_g1_i26.p1	2	4	6
YZ0066_TRINITY_DN18425_c0_g1_i2.p1	2	4	8
YZ0066_TRINITY_DN34903_c2_g1_i1.p1	2	4	7
YZ0066_TRINITY_DN34903_c2_g2_i5.p1	2	5	7
YZ0067_TRINITY_DN3151_c0_g1_i1.p1	2	5	7
YZ0067_TRINITY_DN448_c0_g1_i5.p1	3	3	5
YZ0067_TRINITY_DN448_c0_g3_i1.p1	3	4	6
YZ0068_TRINITY_DN306_c0_g1_i19.p1	3	4	6
YZ0068_TRINITY_DN3989_c2_g1_i12.p1	2	5	7
YZ0068_TRINITY_DN4085_c0_g1_i7.p1	1	2	8
YZ0068_TRINITY_DN4085_c0_g2_i1.p1	2	4	8
YZ0069_TRINITY_DN14443_c0_g1_i11.p1	3	2	6
YZ0069_TRINITY_DN4039_c0_g2_i2.p1	2	5	7
YZ0069_TRINITY_DN8271_c0_g1_i8.p1	3	2	6
YZ0070_TRINITY_DN20919_c0_g2_i1.p1	2	5	7
YZ0076_TRINITY_DN13079_c0_g1_i10.p1	2	5	7
YZ0076_TRINITY_DN40896_c0_g1_i1.p1	2	5	6
YZ0094_TRINITY_DN4238_c0_g1_i9.p1	1	3	7
YZ0097_TRINITY_DN3580_c0_g1_i1.p1	1	2	6
YZ0097_TRINITY_DN3580_c1_g1_i36.p1	1	2	6
YZ0097_TRINITY_DN362_c0_g1_i6.p2	3	5	7
YZ0097_TRINITY_DN5075_c3_g3_i3.p1	3	4	5
YZ0097_TRINITY_DN90349_c0_g1_i1.p1	2	3	6

YZ0099_TRINITY_DN8234_c0_g1_i1.p1	3	5	7
YZ0099_TRINITY_DN8234_c0_g2_i1.p1	3	5	7
YZ0106_TRINITY_DN7277_c0_g1_i1.p1	3	5	7
YZ0116_TRINITY_DN11315_c0_g1_i4.p1	3	5	8
YZ0116_TRINITY_DN11315_c1_g1_i1.p1	3	5	8
YZ0116_TRINITY_DN1910_c0_g2_i1.p1	3	5	6
YZ0116_TRINITY_DN29570_c0_g1_i1.p1	3	5	7
YZ0117_TRINITY_DN1417_c0_g2_i2.p1	3	5	7
YZ0117_TRINITY_DN3060_c1_g1_i2.p1	2	2	6
YZ0117_TRINITY_DN3060_c1_g3_i1.p1	3	5	6
YZ0117_TRINITY_DN7598_c0_g1_i4.p1	3	2	8
YZ0117_TRINITY_DN7598_c0_g2_i1.p1	3	5	8
YZ0118_TRINITY_DN4677_c0_g1_i1.p1	3	5	6
YZ0118_TRINITY_DN824_c0_g2_i2.p1	3	5	7
YZ0119_TRINITY_DN1412_c0_g1_i3.p1	3	5	7
YZ0119_TRINITY_DN1412_c0_g2_i3.p1	3	3	7
YZ0119_TRINITY_DN1412_c0_g2_i3.p2	3	3	7
YZ0119_TRINITY_DN43949_c0_g1_i1.p1	3	5	5
