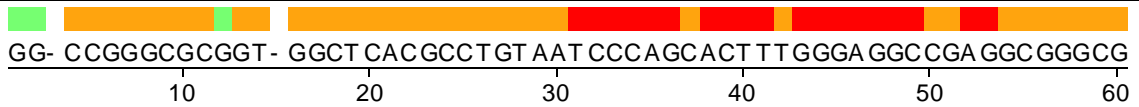



Wednesday, August 07, 2002 5:35 PM



YC1DP1	GG- CCGGGCGCAGTGG- - - - - - - - - - - T AAT CCCAGCACT TTGGGA GGCCTA GACAGGCG	48
YC1DP10	G- - CCGGGCGCGGT- GGCT CACGCCTGT AAT CCCAGCACT TTGGGA GGCCGA GGC GGGCG	57
YC1DP11	- - GCCGGGCGCGGT- GGCT CACGCCTGT AAT CCCAGT ACT TTGGGA GGCCGA GGT GGA CG	57
YC1DP12	- - GCCAGGCGCAGT- GGCT CACGCCTGT AAT CCCAGCACT T- GGGGA GGCT GA GGC GGGT G	56
YC1DP13	G- - CCGGGCGCGGT- GGCT CACGCCTGT AAT CCCAGCACT TTGGGA GGCCGA GGC GGGCG	57
YC1DP14	- - GCCGGGCGCGGT- GGCT CACGCCTGT AAT CCCAGCACT TTGGGA GGCCGA GGC GGGCG	57
YC1DP15	GGGCGGGGCGCGGT- GGCT CACGCCTGT AAT CCCAGCACT TTGGGA GGCCGA GGC GGGCG	59
YC1DP16	- - GCCGGGCGCGGT- GGCT CACGCCTGT AAT CCCAGCACT TTGGGA GGCT GA GGC GGGCG	57
YC1DP17	GG- CCGGGCGCGGT- GGCT CACGCCTGT AAT CCCAGCACT TTGGGA GGCCGA GGC GGGCG	58
YC1DP18	GG- CCGGGCGCGGT- GGCT CACGCCTGT AAT CCCAGCACT TTGGGA GGCCGA GGC GGGT G	58
YC1DP19	GG- CCGGGCGCAGT- GGCT CACGCCTGT AAT CCCAGCACT TTGGGA GGCCAA GGC GGGCG	58
YC1DP2	GG- CCGGGCGCGGT- GGCT CACGCCTGT AAT CCCAGCACT TTGGGA GGCCGA GGC GGGCG	58
YC1DP20	- - - - - - - - - - - - - - - T CACGCCTGT AAT CCCAGCACT TTGGGA GGCCGA GGC GGGCG	42
YC1DP22	GG- CCGGGCGCGGT- GGCT CACGCCTGT AAT CCCAGCACT TTGGGA GGCCGA GGC GGGCG	58
YC1DP23	- - GCCGGGCGCA- CTGTT CACGTCTGT AAT CCCAGCACT TTGGGA GGCCAA GGC GGGCA	57
YC1DP27	- - - - - - - - - - - - - - - T CACGCCTGT AAT CCCAGCACT TTGGGA GGCCGA GGC GGGCG	42
YC1DP29	GG- CCGGGCGCGGTGGCT CACGCCTGT AAT CCCAGCACT TTGGGA GGCCGA GGC GAGT G	59
YC1DP3	GG- CCAGGCGCAGT- GGCT CACGCCAGT AAT CCCAGCACT TCGGGA GGCCGA GGC GGGCG	58
YC1DP30	GG- CCGGGCGCGGT- GGCT CACGCCTGT AGT CCCAGCACT TTGGGA GGCCGA GGC GGGCG	58
YC1DP32	GG- CCGGGCGCGGT- GGCT CACGCCTGT AAT CCCAGCACT TTGGGA GGCCGA GGC GGGT G	58
YC1DP33	GG- CCGGGCGCGGT- GGCT CACGCCTGT AAT CCCAGCACT TTGGGA GGCCGA GGC GGGCG	58
YC1DP34	GG- CCGGGCGCGGT- GGCT CACGCCTGT AAT CCCAGCACT TTGGGA GGCCGA GGC GGGCG	58
YC1DP35	- - - - - - - - - - - - - - - T CCCAGCACT TTGGGA GGCCGA GGC GGGCG	30
YC1DP36	GG- CCGGGCGCGGT- GGCT CACGCCTGT AAT CCCAGCACT TTGGGA GGCCGA GGC GGGCG	58
YC1DP37	GG- CCGGGCGCTGT- GGCT CACGCCTGT AAT CCCAGCACT TTGGGA GGCCGA GGC GGGCG	58
YC1DP38	GG- CCGGGCGCGGT- GGCT CACGCCTGT AAT CCCAGCACT TTGGGA GGCCGA GGC GGGT G	58
YC1DP39	- - - - - - - - - - CGGT- GGCT CACGCCTGT AAT CCCAGCACT TTGGGA GGCCGA GGC GGGCG	49
YC1DP5	GG- CCGGGCGCGGT- GGCT CACGCCTGT AAT CCCAGCACT TTGGGA GGCCGA GGC GGGCG	58
YC1DP6	GG- CCGGGCAGT- GGCT CACGCCTGT AAT CCCAGCACT TTGGGA GGCCAA GGC GGGCG	58
YC1DP7	GG- CCGGGCGCGGT- GGCT CACGCCTGT AAT CCCAGCACT TTGGGA GGCCGA GGC GGGCG	58
YC1DP9	GG- CCAGACACGGT- GGCT GAGGCCTGT AAT CCCAGCACT TTGGGA GGCCAA GGC GGGCA	58
YC1DP21	GG- CCGGGCGCGGT- GGCT CACGCCTGT AAT CCCAGCACT TTGGGA GGCCGA GGC GGGCG	58
YC1DP24	G- - CCGGGCGCGGT- GGCT CACGCCTGT AAT CCCAGCACT TTGGGA GGCCGA GGC GGGCG	57
YC1DP25	G- - CCGGGCGCGGT- GGCT CACGCCTGT AAT CCCAGCACT TTGGGA GGCCGA GGC GGGT G	57
YC1DP26	GG- CCGGGCGCGGT- GGCT CACGCCTGT AAT CCCAGCACT TTGGGA GGCCGA GGC GGGCG	58
YC1DP28	GG- CCGGGCGCGGT- GGCT CACGCCTGT AAT CCCAGCACT TTGGGA GGCCGA GGC GGGT G	58
YC1DP4	GG- CCGGGCGCGGT- GGCT CACGCCTGT AAT CCCAGCACT TTGGGA GGCCGA GGC GGGCG	58

Wednesday, August 07, 2002 5:35 PM

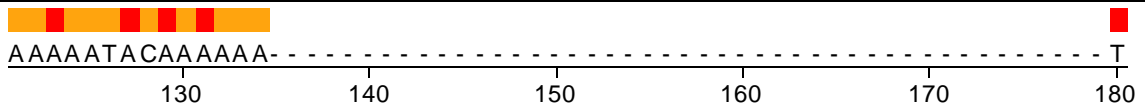


GATCACGAGGTCA GGA GAT CGA GACCAT CCT GGCTAA CACGGT GAAACCCCGTCTCTACT

 70 80 90 100 110 120


YC1DP1	GATCACGAGGTCA GGA GAT CCA GACCAT CCT GGCTAA CACGGT GAAACCCCGTCTCTACT	108
YC1DP10	GATCACGAGGTCA GGA GAT CGA GACCAT CCT GGCTAA CACGGT GAAACCCCGTCTCTACT	117
YC1DP11	GATCACGAGGTCA GGA GAT CGA GACCAT CCT GGCTAA CACGGT GAAACCCCGTCTCTACT	117
YC1DP12	GATCATGAGGTCA GGA GAT TGA GACCAT CTT GGCTAA CACCGT GAAAGCTTGTCTCTACT	116
YC1DP13	GATCACGAGGTCA GGA GAT CGA GACCAT CCT GGCTAA CACGGT GAAACCCCGTCTCTACT	117
YC1DP14	GATCACGAGGTCA GGA GAT CGA GACCAT CCT GGCTAA CACGGT GAAACCCCGTCTCCTACT	117
YC1DP15	GATCACGAGGTCA GGA GAT CGA GACCAT CCT GGCTAA CACGGT GAAACCCCGTCTCTACT	119
YC1DP16	GATCACGAGGTCA GGA GAT CGA GACCAT CCT GGCTAA CACGGT GAAACCCCGTCTCTACT	117
YC1DP17	GATCACGAGGTCA GGA GAT CGA GACCAT CCT GGGTAA CACAGT GAAACCCCGTCTCTACT	118
YC1DP18	GATCACGAGGTCA GGA GAT CGA GACCAT CCT GGCTAA CACGGT GAAACCCCGTCTCTACT	118
YC1DP19	GATCACGAGGCCA GGA GAT CGA GACCAT CCT GGCTAA CACGGT CAAACCCCGTCTCTACT	118
YC1DP2	GATCACGAGGTCA GGA GAT CGA GACCAT CCT GGCTAA CACGGT GAAACCCCGTCTCTACT	118
YC1DP20	GATCACGAGGTCA GGA GAT CGA GGCCAT CCT GGCTAA CACAGT GAAACCCCGTCTCTACT	102
YC1DP22	GATCACGAGGTCA GGA GAT CGA GACCAT CCT GGCTAA CACGGT GAAACCCCGTCTCTACT	118
YC1DP23	GATCATGAGGTCA GGA GAT CGA GACCAT CCT GGCTAA CACGGT GAAATCCCATCTCTACT	117
YC1DP27	GATCACGAGGTCA GGA GAT CGA GACCAT CCT GGCTAA CACGGT GAAACCCCATCTCTACT	102
YC1DP29	GATCACTAGGTCA GGA GGT CGA GACCAT CCT GGCTAA CACGGT GAAACCCCGTCTCTACT	119
YC1DP3	- ATCATGAAGTCA GGA GAT CAATATCAT CCT GGCTAA CACGGT GAAACCCCATCTCTACT	117
YC1DP30	GATCACGAGGTCA GGA GAT CGA GACCAT CCT GGCTAA CACGGT GAAACCCCGTCTCTACT	118
YC1DP32	GATCACGAGGTCA GGA GAT CGA GACCAT CCT GGCTAA CACGGT GAAACCCTGTCTCTACT	118
YC1DP33	GATCACGAGGTCA GGA GAT CGA GACCAT TCT GGCTAA CACGGT GAAACCCCGTCTCTACT	118
YC1DP34	GATCACGAGGTCA GGA GAT CGA GACCAT CCT GGCTAA CACGGT GAAACCCCGTCTCTACT	118
YC1DP35	GATCACGAGGTCA GGA GAT CGA GACCAT CCT GGCTAA CACGGT GAAACCCCGTCTCTACT	90
YC1DP36	GATCACGAGGTCA GGA GAT CGA GACCAT CCT GGCTAA CACGGT GAAACCCCGTCTCTACT	118
YC1DP37	GATCACGAGGTCA GGA GAT CGA GACCAT CCT GGCTAA CACGGT GAAACCCCGTCTCTACT	118
YC1DP38	GATCACGAGGTCA GGA GAT CGA GACCAT CCT GGCTAA CACGGT GAAACCCTGTCTCTACT	118
YC1DP39	GATCACGAGGTCA GGA GAT CGA GACCAT CCT GGCTAA CACGGT GAAACCCCGTCTCTACT	109
YC1DP5	GATCACGAGGTCA GGA GAT CGA GACCAT CCT GGCTAA CACGGT GAAACCCCGTCTCTAGT	118
YC1DP6	GATCACGAGGCCA GGA GAT CGA GACCAT CCT GGCTAA CACGGT CAAACCCCGTCTCTACT	118
YC1DP7	GATCACGAGGTCA GGA GAT CGA GACCAT CCT GGCTAA CACGGT GAAACCCCGTCTCTACT	118
YC1DP9	GATCATGAGGTCA GGA GAT CGA GACCAT CCT GGCTAA CACAGT GAAACCCCGCCTCTACA	118
YC1DP21	GATCACGAGGTCA GGA GAT CGA GACCAT CCT GGCTAA CAA GGT GAAACCCCGTCTCTACT	118
YC1DP24	GATCACGAGGTCA GGA GAT CGA GACCAT CCT GGCTAA CAA GGT GAAACCCCGTCTCTACT	117
YC1DP25	GATCACGAGGTCA GGA GAT CGA GACCAT CCT GGCTAA CAA GGT GAAACCCCGTCTCTACT	117
YC1DP26	GATCACGAGGTCA GGA GAT CGA GACCAT CCT GGCTAA CAA GGT GAAACCCCGTCTCTACT	118
YC1DP28	GATCACGAGGTCA GGA GAT CGA GACCAT CCT GGCTAA CAA GGT GAAACCCCGTCTCTACT	118
YC1DP4	GATCACGAGGTCA GGA GAT CGA GACCAT CCT GGCTAA CAA GGT GAAACCCCGTCTCTACT	118

Wednesday, August 07, 2002 5:35 PM



YC1DP1	GAAAGTACAAAACAA- - - - - T	124
YC1DP10	AAAAATACAAAAAA- - - - - T	132
YC1DP11	AAAAATACAAAAAA- - - - - T	132
YC1DP12	AAAAATACAAAAAA- - - - - T	131
YC1DP13	AAAAATACAAAAAA- - - - - T	132
YC1DP14	AAAAATACAAAAAA- - - - - T	132
YC1DP15	AAAAATACAAAAAA- - - - - T	134
YC1DP16	AAAAATACAAAAAA- - - - - T	132
YC1DP17	AAAAATACAAAAAA- - - - - T	133
YC1DP18	AAAAATACAAAAAA- - - - - T	133
YC1DP19	AAAAATACAAAAAA- - - - - T	133
YC1DP2	AAAAATACAAAAAA- - - - - T	133
YC1DP20	AAAAATACAAAAAA- - - - - T	117
YC1DP22	AAAAATACAAAAAA- - - - - T	133
YC1DP23	AAACAAAT	177
YC1DP27	AAAAATACAAAAAA- - - - - T	117
YC1DP29	ACAAATACAAAAAAA- - - - - AAT	137
YC1DP3	AAAAATATAAAAAAA- - - - - AAT	135
YC1DP30	AAAAATACAAAAAA- - - - - T	133
YC1DP32	AAAAATACAAAAAA- - - - - T	133
YC1DP33	AAAAATACAAAAAA- - - - - T	133
YC1DP34	AAAAATACAAAAAA- - - - - T	133
YC1DP35	AAAAATACAAAAAA- - - - - T	105
YC1DP36	AAAAATACAAAAAT- - - - - T	133
YC1DP37	AAAAATACAAAAAA- - - - - T	133
YC1DP38	AAAAATACAAAAAA- - - - - T	133
YC1DP39	AAAAATACAAAAAA- - - - - T	124
YC1DP5	AAAAATACAAAAAA- - - - - T	133
YC1DP6	AAAAATACAAAAAA- - - - - T	133
YC1DP7	AAAAATACAAAAAA- - - - - T	133
YC1DP9	AAAAATACAAAAAA- - - - - T	133
YC1DP21	AAAAATACAAAAAA- - - - - T	133
YC1DP24	AAAAATACAAAAAA- - - - - T	132
YC1DP25	AAAAATACAAAAAA- - - - - T	132
YC1DP26	AAAAATACAAAAAA- - - - - T	133
YC1DP28	AAAAATACAAAAAA- - - - - T	133
YC1DP4	AAAAATACAAAAAA- - - - - T	133

Wednesday, August 07, 2002 5:35 PM



TAGCCGGGCGTGGTAGCGGGCGCCTGTAGTCCCA GCTACTCGG- GAGGCTGAGGCAGGAG
 190 200 210 220 230 240

YC1DP1	TAGCCGGGCGTGGTAGCGGGCGCCTGTAGTCCCA GCTACTCGT TAA GGCTGAGCAGGAG	184
YC1DP10	TAGCCGGGCGTGGTAGCGGGCGCCTGTAGTCCCA GCTACTCGG- GAGGCTGAGGCAGGAG	191
YC1DP11	TAGCCGGGCGTGGTAGCGGGCGCCTGTAGTCCCA GCTACTCGG- GAGGCTGAGGCAGGAG	191
YC1DP12	TAGCCGGGCGTGGTAGCGGGCA CCTGTAGTCCCA GCTACTCAG- GAGACTGAGGCATGAG	190
YC1DP13	TAGCCGGGCGTGGTAGCGGGCGCCTGTAGTCCCA GCTACTCGG- GAGGCTGAGGCAGGAG	191
YC1DP14	TAGCCGGGCGTGGTAGCGGGCGCCTGTAGTCCCA GCTACTCGG- GAGGCTGAGGCAGGAG	191
YC1DP15	TAGCCGGGCGTGGTAGCGGGCGCCTGTAGTCCCA GCTACTCGG- GAGGCTGAGGCAGGAG	193
YC1DP16	TAGCCGGGCGTGGTAGCGGGCGCCTGTAGTCCCA GCTACTCGG- GAGGCTGAGGCAGGAG	191
YC1DP17	TAGCCGGGCGTGGTAGCGGGCGCCTGTAGTCCCA GCTACTCGG- GAGGCTGAGGCAGGAG	192
YC1DP18	TAGCTGGGCGTGGTAGCGGGCGCCTGTAGTCCCA GCTACTCGG- GAGGCTGAGGCAGGAG	192
YC1DP19	TAGCCGGGCGTGGTAGCGGGCGCCTGTAGTCCCA GCTATT CGG- GAGGCTGAGGCAGGAG	192
YC1DP2	TAGCCGGGCGTGGTAGCGGGCGCCTGTAGTCCCA GCTACTCGG- GAGGCTGAGGCAGGAG	192
YC1DP20	TAGCCGGGCGTGGTAGCGGGCGCCTGTAGTCCCA GCTACTCGG- GAGGCTGAGGCAGGAG	176
YC1DP22	TAGCCGGGCGTGGTAGCGGGCGCCTGTAGTCCCA GCTACTCGG- GAGGCTGAGGCAGGAG	192
YC1DP23	TAGCTGGGCGTGGTAGCGGGT GCCTGTAGTCCCA GCTACTCGG- GAGGT TGA GGCAGAAG	236
YC1DP27	TAGCCGGGCGTGGTAGCGGGCGCCTGTAGTCCCA GCTACTCGG- GAGGCTGAGGCAGGAG	176
YC1DP29	TAGCTGGGCGTGGTAGCGGGCGCCTGTAGTCCCA GCTACT TGG- GAGGCTGAGGCAGGAG	196
YC1DP3	TAGCTGGGCGTGGTAGCGGGCGCCTATAGT CACA GACTCAG- GAGGCTGAGGCCAGAG	194
YC1DP30	TAGCCGGGCGTGGTAGCGGGCGCCTGTAGTCCCA GCTACTCGG- GAGGCTGAGGCAGGAG	192
YC1DP32	TAGCCGGGCGTGGTAGCGGGCGCCTGTAGTCCCA GCTACTCGG- GAGGCTGAGGCAGGAG	192
YC1DP33	TAGCCGGGCGTGGTAGCGGGCGCCTGTAGTCCCA GCTACTCGG- GAGGCTGAGGCAGGAG	192
YC1DP34	TAGCCGGGCGTGGTAGCGGGCGCCTGTAGTCCCA GCTACTCGG- GAGGCTGAGGCAGGAG	192
YC1DP35	TAGCCGGGCGTGGTAGCGGGCC CCTGTAGTCCCA GCTACTCGG- GAGGCTGAGGCAGGAG	164
YC1DP36	TAGCCGGGCGTGGTAGCGGGCGCCTGTAGTCCCA GCTACTCGG- GAGGCTGAGGCAGGAG	192
YC1DP37	TAGCCGGGCGTGGTAGCGGGCGCCTGTAGTCCCA GCTACTCGG- GAGGCTGAGGCAGGAG	192
YC1DP38	TAGCCGGGCGTGGTAGCGGGCGCCTGTAGTCCCA GCTACTCGG- GAGGCTGAGGCAGGAG	192
YC1DP39	TAGCCGGGCGTGGTAGCGGGCGCCTGTAGTCCCA GCTACTCGG- GAGGCTGAGGCAGGAG	183
YC1DP5	TAGCCGGGCGTGGTAGCGGGCGCCTGTAGTCCCA GCTACTCGG- GAGGCTGAGGCAGGAG	192
YC1DP6	TAGCCGGGCGTGGTAGCGGGCGCCTGTAGTCCCA GCTATT CGG- GAGGCTGAGGCAGGAG	192
YC1DP7	TAGCCGGGCGTGGTAGCGGGCGCCTGTAGTCCCA GCTACTCGG- GAGGCTGAGGCAGGAG	192
YC1DP9	TAGCCGGGCGTGGTAGCGGGCGCCTGTAGTCCCA GCTACTCGG- GAGGCTGAGGCAGGAG	192
YC1DP21	TAGCCGGGCGTGGTAGCGGGCGCCTGTAGTCCCA GCTACTCGG- GAGGCTGAGGCAGGAG	192
YC1DP24	TAGCCGGGCGTGGTAGCGGGCGCCTGTAGTCCCA GCTACTCGG- GAGGCTGAGGCAGGAG	191
YC1DP25	TAGCCGGGCGTGGTAGCGGGCGCCTGTAGTCCCA GCTACTCGG- GAGGCTGAGGCAGGAG	191
YC1DP26	TAGCCGGGCGTGGTAGCGGGCGCCTGTAGTCCCA GCTACTCGG- GAGGCTGAGGCAGGAG	192
YC1DP28	TAGCCGGGCGTGGTAGCGGGCGCCTGTAGTCCCA GCTACTCGG- GAGGCTGAGGCAGGAG	192
YC1DP4	TAGCCGGGCGTGGTAGCGGGCGCCTGTAGTCCCA GCTACTCGG- GAGGCTGAGGCAGGAG	192

Wednesday, August 07, 2002 5:35 PM



GCCT GGGCGA CAGAGC GAGACT CCGTCT CX
 310 320 330

YC1DP1	GCCT GGGT GA CAGAGC GAGACT CCGTTT C	273
YC1DP10	GCCT GGGCGA CAGAGC GAGACT CCGTCT C	280
YC1DP11	GCCT GGGCGA CAGAGC GAGACT CCGTCT C	280
YC1DP12	GCCT GGGCAA GAGAGC GAGACT CTGTCT	278
YC1DP13	GCCT GGGCGA CAGAGC GAGACT CCGTCT C	280
YC1DP14	GCCT GGGCGA CAGAGC GAGACT CCGTCT C	280
YC1DP15	GCCT GGGCGA CAGAGC GAGACT CCGTCT C	282
YC1DP16	GCCT GGGCGA CAGAGC GAGACT CCGTCT C	280
YC1DP17	GCCT GGGCGA CAGAGC GAGACT CCGTCT C	281
YC1DP18	GCCT GGGCGA CAGAGC GAGACT CCGTCT C	281
YC1DP19	GCCT GGGT GA CAGAGC GAGAGT CCA TCT C	281
YC1DP2	GCCT GGGCGA CAGAGC GAGACT CCGTCT C	281
YC1DP20	GCCT GGGCGA CAGAGC GAGACT CCGTCT C	265
YC1DP22	GCCT GGGCGA CAGAGCAAGACT CCGTCT C	281
YC1DP23	GCCT GGGCAA CAGAGCAAGATT CCGTCT C	325
YC1DP27	GCCT GGGCGA CAGAGC GAGACT CCGTCT C	265
YC1DP29	GCCT GGGT GA AAGAGC GAGACT CTGTCT C	285
YC1DP3	GTCT GGGCGA CACAGT GAGACT CCA TCT C	283
YC1DP30	GCCT GGGCGA CAGAGC GAGACT CCGTCT C	281
YC1DP32	GCCT GGGCGA CAGAGC GAGACT CCGTCT C	281
YC1DP33	GCCT GGGCGA CAGAGC GAGACT CCGTCT C	281
YC1DP34	GCCT GGGCGA CAGAGCAAGACT CCGTCT C	281
YC1DP35	GCCT GGGCGA CAGAGC GAGACT CCGTCT C	253
YC1DP36	GCCT GGGCCA CAGAGC GAGACT CCGTCT C	281
YC1DP37	GCCT GGGCCA CAGAGC GAGACT CCA TCT C	281
YC1DP38	GCCT GGGCGA CAGAGC GAGACT CCGTCT C	281
YC1DP39	GCCT GGGCGA CAGAGC GAGACT CCGTCT CA	273
YC1DP5	GCCT GGGCGA CAGAGC GAGACT CCGTCT C	281
YC1DP6	GCCT GGGT GA CAGAGC GAGAGT CCA TCT C	281
YC1DP7	GCCT GGGCGA CAGAGC GAGACT CCGTCT C	281
YC1DP9	GCCT GGGCGA CAGAGC GAGACT CCGTCT C	280
YC1DP21	GCCT GGGCGA CAGAGC GAGACT CCGTCT C	281
YC1DP24	GCCT GGGCGA CAGAGC GAGACT CCGTCT C	280
YC1DP25	GCCT GGGCGA CAGAGC GAGACT CCGTCT C	280
YC1DP26	GCCT GGGCGA CAGAGC GAGACT CCGTCT C	281
YC1DP28	GCCT GGGCGA CAGAGC GAGACT CCGTCT C	281
YC1DP4	GCCT GGGCGA CAGAGC GAGACT CCGTCT C	281