

Additional file Figure S2

SSU/LSU alignment (2522 nt)

Variable sites: 980

Parsimony informative characters: 775

#NEXUS

BEGIN DATA;

dimensions ntax=33 nchar=2522;

interleave=yes datatype=DNA gap=-;

matrix

CUR1_4	AGCAATTCTCTCTGAATCTGCGAACGGCTCCGCACACCAGTTGTAAACTA
HA4_1	AGCAATTCTCTCTGAATCTGCGAACGGCTCCGCAAACCAGTTGTAAACTA
CR19_1	AGCAATTCTCTCTGAATCTGCGAACGGCTCCGCACACCAGTTGTAAACTA
Pan2	AGCAATTCTCTCTGAATCTGCGAACGGCTCCGCAAACCAGTTGTAAACTA
CR8_1	AGCAATTCTCTCTGAATCTGCGAACGGCTCCGCAAACCAGTTGTAAACTA
Fr_K7	AGCAATTCTCTCTGAATCTGCGAACGGCTCCGCAAACCAGTTGTAAACTA
Fr_K15	AGCAATTCTCTCTGAATCTGCGAACGGCTCCGCAAACCAGTTGTAAACTA
CR10	AGCAATTCTCTCTGAATCTGCGAACGGCTCCGCAAACCAGTTGTAAACTA
It_K61	AGCAATTCTCTCTGAATCTGCGAACGGCTCCGCAAACCAGTTGTAAACCA
Fr_K10	AGCAATTCTCTCTGAATCTGCGAACGGCTCCGCACACCAGTTGTAAACCA
It_K66	AGCAATTCTCTCTGAATCTGCGAACGGCTCCGCACACCAGTTGTAAACCA
Uk_K79	AGCAATTCTCTCTGAATCTGCGAACGGCTCCGCACACCAGTTGTAAACCA
Pr3_1	AGCAATTCTCTCTGAATCTGCGAACGGCTCCGCACACCAGTTGTAAACTA
It_K71	AGCAATTCTCTCTGAATCTGCGAACGGCTCCGCAAACCAGTTGTAAACTA
Fr_K18	AGCAATTCTCTCTGAATCTGCGAACGGCTCCGCAAACCAGTTGTAAACTA
Fr_K62	AGCAATTCTCTCTGAATCTGCGAACGGCTCCGCAAACCAGTTGTAAACTA
No_K94	AGCAATTCTCTCTGAATCTGCGAACGGCTCCGCAAACCAGTTGTAAACAA
Cur_1	AGCAACTCTCTCTGAATCTGCGAACGGCTCCGCAAACCAGTTGTAAACCA
Az4_1	AGCACATCTCTCTGAATCTGCGAACGGCTCCGCAAACCAGTTGTAAACCA
PR_1	AGCAACTCTCTCTGAATCTGCGAACGGCTCCGCAAACCAGTTGTAAACCA
BuTricularis	AGCAAGTCTCTCTGAATCTGCGAACGGCTCCGCATACCAGTTGTAAACCA
NY_1	AGCAAGTCTCTCTGAATCTGCGTACGGCTCCGCAAACCAGTTGTAAACCA
Poblona	AGCAAATCTCTCCGAATCTGCGGACGGCTCCGCACACCAGTTGTAAACAA
Idn2	AGCAA-TCTCTTTGAATCTGCGAACGGCTCCGCACACCAGTTGTAAACTA
CJ1_1	AGCAT-TCTCTCTGAATCTGCGAACGGCTCCGCACACCAGTTGTAAACTA
CR_1	AGCAT-TCTCTCTGAATCTGCGAACGGCTCCGCACACCAGTTGTAAACTA
Pdidermoides	AGCTT-TCTCTCTGAATCTGCGAACGGCTCCGCAAACCAGTTGTAAACTA
UFF1	AGCAAGTCTCTCTGAATCTGCGAACGGCTCCGCATACCAGTTGTAAACCA
CJA3	AGCAACTCTCTCTGAATCTGCGAACGGCTCCGCAAACCAGTTGTAAACCA
Prigidum	AGCAAGTCTCTCTGAATCTGCGAACGGCTCCGCATACCAGTTGTAAACCA
C1	AGCAATTCTCTCCGAATCTGCGAACGGCTCCGCAAACCAGTTGTAAACCA
PpolycephalumWis1	AGCAAGTCTCTCTGAATCTGCGAACGGCTCCGCATACCAGTTGTAAACCA
Sflavogenita	AGCAATTCTCTCTGAATCTGCGAACGGCTCCGCAAACCAGTTGTAAACCA

CUR1_4	TAGCAAGCATGCCATATCCCTTCGGGGGTGTGGGTACATGGATAAACCC
HA4_1	TAGCAAGCAAGCCCTAGGCCCCCTCGGGGTCTGGGGCAACATGGATAAACCC
CR19_1	TAGCAAGCATGCCATATCCCTTCGGGGGTGTGGGTACATGGATAAACCC
Pan2	TAGCAAGCAAGCCCGTGCCTCTCGGGGGTGCAGGGCAACACGGATAAACCC
CR8_1	TAG-AAGCAAGCCCGTGCCTCTCGGGGGTGCAGGGCAACACGGATAAACCC
Fr_K7	TAGCAAGCTCTCCTATGATCGCCCTTCACGGGGGGGATAGGGATAAACCC
Fr_K15	TAGCAAGCTCTCCTATGGTGCCTCTACGGGGGGGATAGGGATAAACCC
CR10	TAGCAAGCCCGCCGGGGTCCCTTCACGGGGGCTCTGACACGGATAAACCC
It_K61	AAGCAAGCATACTCGGGGTTTGCCTTCACGGGGTTCGATACGGGTAACCC
Fr_K10	AAGCAAGCTAGTCCATGGCCTGGCCCTCACGGGTGGATACGGATAAACCC
It_K66	AAGCAAGCTAGTCCATGGTCTGGCCCTCACGGGTGGATACGGATAAACCC
Uk_K79	AAGCAAGCTAGTCCATGGTCTGGCCCTCACGGGTGGATACGGATAAACCC
Pr3_1	TAGCAAGCATGCTCGGTGCCGGCTTCACGGGTGGATAAGGATAAACCC
It_K71	TAGCAAGCAATCCTGTGGTTGGGCTTCGGCTCGGCCAACATGGATAAACCC
Fr_K18	TAGCAAGCAATCCTGCGGGCGGCTTCGGCTGCTCGTGACATGGATAAACCC
Fr_K62	TAGCAAGCAATCCTGTGGTTGGGCTTCGGCTCGGCCAACATGGATAAACCC
No_K94	TAGCAAGCAAGCCGGGTCTGGTCTTCACGGGTGAGGACACGGATAAACCC
Cur_1	TAGCAAGCAGCCTTGGGCGCCGCAAGGCGGTCTTATAGGGATAAACCC
Az4_1	TAGCAAGCATGCCCTTGGGACCGGTGCAAGGCGGGACAGGGATAAACCC
PR_1	TAGCAAGCAGCCTTGGGCGCCGCAAGGCGGTCTTATAGGGATAAACCC
Butricularis	TAGCAAGCAAACCGGGCGGTCTTTCACGACGCATCGATAAGGATAACCCA
NY_1	TAGCTAGCAGGCCCTCGGAGACGACCGCAAGTCGTAGCAAAAGGATATCCA
Poblunga	TGGCAAGCCGGTTTTTCGAGATCGCCGCAAGGTGTTTACAAGGCTATCCC
Idn2	TAGCAAGTCCGTACGGCTAGCGAGCAATCGTTAGTCGACAGGGATAAACCC
CJ1_1	TAGCAAGTCCGCATGATCATGGGCAACCGTGGTTGTGACAGGGATAAACCC
CR_1	TAGCAAGTCCGCATGACCATGGGCAACCGTGGTTGTGACAGGGATAAACCC
Pdidermoides	TAGCAAGTCCGTACGGTTAGGGAGCAATCCTTAGCTGACAGGGATAAACCC
UFF1	TAGCAAGCAAGCTCGATCGTCTTCCCTCGTCCCTCGTACAGGGATATCCC
CJA3	TAGCAAGCAGCCTTGGGCGCCGCAAGGCGGTCTTATAGGGATAAACCC
Prigidum	TAGCGAGCAAGCCGCGTCCGCGTCGCAAGGCGTTCGGACAAGGATAAACCC
C1	TAGCGAGCATGCCCTTGGTCCGGCCGCAAGGCTGGGCATAAGGATAAACCC
PpolycephalumWis1	TAGCAAGCAAGCCGCTTGTGGCGCAAGGCGACGGCAAGGATAAACCC
Sflavogenita	TAGC-AGCGTTCCGCCCGGCTTCAGCAATGGGGCCGGATATGGATAAACCG
CUR1_4	TGGTAATTCTGAGGCTAATACGAGAACGTACAGCCTGGT-CGACTGGGAA
HA4_1	TGGTAATTCTGAGGCTAATACAAGAACGTAAATACCTGGC-TAACC GGTTTC
CR19_1	TGGTAATTCTGAGGCTAATACGAGAACGTACAGCCTGGT-CGACTGGGAA
Pan2	TGGTAATTCTGAGGCTAATACGAGAACGTACTCCCCGGT-CAACC GGGCA
CR8_1	TGGTAATTCTGAGGCTAATACGAGAACGTACTCCCCGGT-CAACC GGGCA
Fr_K7	TGGTAATTCTGAGGCTAATACCACCACGTAAAACCTGGC-TGACTGGGCA
Fr_K15	TGGTAATTCTGAGGCTAATACCACCACGTAAAACCTGGC-TGACTGGGCA
CR10	TGGTAATTCTGAGGCTAATACGAGAACGTAAATACCTGGC-TGACC GGGCA
It_K61	TGGTAATTCTGAGGCTAATACGAGAATGTACTCCCTGGC-TAACC GGGAA
Fr_K10	TGGTAATTCTGAGGCTAATACGAGACTGCAATCCCTGGC-TAACC GCAA-
It_K66	TGGTAATTCTGAGGCTAATACGAGACTGCAATCCCTGGC-TAACC GCAA-
Uk_K79	TGGTAATTCTGAGGCTAATACGAGACTGCAATCCCTGGC-TAACC GCAA-
Pr3_1	TGGTAATTCTGAGGCTAATACAAGACCGTAATCCCTCGC-TGACTGGGTA
It_K71	TGGTAATTCTGAGGCTAATACAAGAACGTACAACCTGGC-TAACC GG-CA
Fr_K18	TGGTAATTCTGAGGCTAATACAAGAACGTACTCCCTGGC-TGACC GG-CA
Fr_K62	TGGTAATTCTGAGGCTAATACAAGAACGTACAACCTGGC-TAACC GG-CA
No_K94	TGGTAATTCTGAGGCTAATACGAGAACGCAACCCCTGGT-CGACC GGGCA
Cur_1	TGGTAATTCTGAGGCTAATACATGAACGTAAACCCCGGC-CGAC-GGGCA
Az4_1	TGGTAATTCTGAGGCTAATACATGAACGTACCCCTGGC-CGAC-GGGCA
PR_1	TGGTAATTCTGAGGCTAATACATGAACGTAAACCCCGGC-CGAC-AGGCA
Butricularis	TGGTAATTCTGAGGCTAATACAAGAACGTACAACCCGCT-CGACC-CGTT
NY_1	TGGTAATTCTGAGGCTAATACTTGACTGTAACCCCTGGC-TGACC GGGCA
Poblunga	TGGCAATTCTGAGGCTAATACAAGAACATACCACCTGGC-TGACC GGGCA
Idn2	TGGTAATCCTGAGGCTAATACAAGAACGTAAAACCTCGGT-CGACTGGGCA
CJ1_1	TGGTAATTCTGAGGCTAATACAAGAACGTAAAACCTCGGT-TAACC GGTTTC
CR_1	TGGTAATCCTGAGGCTAATACAAGAACGTAAAACCTCGGT-TGACTGGTTT
Pdidermoides	TGGTAATTCTGAGGCTAATACAAGAACGTAAAACCTCGGT-CGACTGGGCA
UFF1	TGGTAATTCTGAGGCTAATACAAGAATATACGGCCCGGCCGACCTCGCA
CJA3	TGGTAATTCTGAGGCTAATACATGAACGTAAACCCCGGC-CGAC-GGGCA
Prigidum	TGGTAATCCTGAGGCTAATACAAGAACGTAGCACTCGTTTCGACC-CGCA
C1	TGGTAATTCTGAGGCTAATACATGAACGCAAAACCTGGC-TGACC GGGTA
PpolycephalumWis1	TGGTAATTCTGAGGCTAATACAAGAACGTACCACCCGCTTCGACC-CGTA
Sflavogenita	TGGTAATTCTGAGGCTAATACATGAACACTAACCCGGGC-TGGGGGCAAC

CUR1_4	ACTGGAAGGCTGGGAGGTGTGTATTGTG-CACGAGGAATCTGCTGGGATA
HA4_1	GCTGGAAGGCTGGGAGACGTGTGATGCTTCGCGAGGAATTTGCTGGGATA
CR19_1	ACTGGAAGGCTGGGAGGTGTGTATTGTG-CACGAGGAATCTGCTGGGATA
Pan2	ACTGGAAGGCTGGGAGGTGTGTATTGTG-CACGAGGAATCTGCTGGGATA
CR8_1	ACTGGAAGGCTGGGAGGTGTGTATTGTG-CACGAGGAATCTGCTGGGATA
Fr_K7	ACCGGAAGGCTGGGGGGCGTGCATTTTTTCGCGAG--GTTTACCGGGAGG
Fr_K15	ACTGGAAGGCTGGGGGGCGTGCATTTTTTCGCGAG--GTTTACCGGGAGG
CR10	ACTGGAAGGCTGGGAGACGTGCGTTGTGTGCGAG-AATCTATCGGGATG
It_K61	ACTGGTAGGCTGGGGGGCGTGTATCTATTTGCAAGACG-ATTCCAGGAGG
Fr_K10	---GGAAGGCTGGGGGGCGTGTAAAGTTTCGCGAGGAA-TAACCGGGAGG
It_K66	---GGAAGGCTGGGGGGCGTGTAAAGTTTCGCGAGGAA-TAACCGGGAGG
Uk_K79	---GGAAGGCTGGGGGGCGTGTAAAGTTTCGCGAGGAA-TAACCGGGAGG
Pr3_1	ACTGGGAGGCTGGGGGACGTGTGTTTGGTGCAGG-A-TGACCGGGAAG
It_K71	AC-GGAAGGCTGGGGAACGTGCAACGTATCGTAGTGG--ATACCGGGAAG
Fr_K18	AC-GGAAGGCTGGGGAGCGTGCAACGTATCGTAGGGAT-AAACCGGGAAT
Fr_K62	AC-GGAAGGCTGGGGAACGTGCAACGTATCGTAATGG--ATACCGGGAAG
No_K94	ACTGGAAGGTTGGGAAGCGTGACTAGATCGCGAGGAAGACGCCGGGAAG
Cur_1	ACTGGAAG-CCGGGGACCGTGCGTTAAG---CGTAACAGTTTATCGGAGT
Az4_1	ACCGGAGG-CTGGGGACCGTGCGT-AGG---CGCAA-AGTTATTGGGAGT
PR_1	ACTGGAAG-CCGGGGACCGTGCGTTAAG---CGTAACGATTTATCGGAGT
Butricularis	AGGGGA-GGGGGGGAATGTGTCTAAGGCA-CGCAATATCGTACTGAGT
NY_1	ACTGGTAGGCTGGGGGACGTGTGGCTTC---GCACACCATTA--AGGAAT
Poblunga	ACGGGGACGCTGGGTGCGGTGTGACCCT---CGCTAAGGTTGCTATGAGA
Idn2	ACGGGAAGGCTGGGGGACGTGTGTC-GCGCT-A-TGCAATACTCGCATGATT
CJ1_1	GCTGGAAGGCCGAGGGTCGTGTGGCTTTTACCGCAACAC-CGACACGAAA
CR_1	ACTGGAAGGCCGAGGGTCGTGTAGTTTTTACTGCAACAC-CGACACGAAA
Pdidermoides	ACCGGAAGGCTGAGGGTCGTGTGCTTTT-ACTGCAACGCTCGACATGAAT
UFF1	AGGGGAAGGCTGGGGGACGTGTCC-AGGCA-CGCAAAATAGCACCTGAGA
CJA3	ACTGTAAG-CCGGGGACCGTGCGTTAAG---CGTAACGATTTATCGGAGT
Prigidum	AGGGGA-GAACCGGGACTGTGTCC-AGGCA-CGCAAT--TTGATCTGAGT
C1	ACTGGAAGGCTGGGGGACGTGTCTGAGT---CGCAA-TTTTGTGGGAGT
PpolycephalumWis1	AGGGGA-GGGCGGGGGTTGTGTCCAGGT--CGCAATATTA-ACTGAGT
Sflavogenita	CTCGGCTTGGTGGGGGACGTGCACCGGCTACAATAAAAATACCGCGAAA
CUR1_4	GACA-CACGCCTGGACCGCGCTAAAAACAGTCAGGGCTTCCTTTTCGGGCG
HA4_1	GATG-CACGCTCTGACCGCGCTAAACACGGATAGGCCCTCTGAACCTGCG
CR19_1	GACA-CACGCCTGGACCGCGCTAAAAACAGTCAGGGCTTCCTTTTCGGGCG
Pan2	GACA-CACGCCTGGACCGCGCTAAAAACGGATGGGGCTTCCTTACGCGG
CR8_1	GACA-CACGCCTGGACCGCGCTAAAAACGGATGGGGCTTCCTTACGCGG
Fr_K7	GACG-CACGCTCTGACCGCGCA--AAACGGATGACTGGGCCTTCGGGGCG
Fr_K15	GACG-CACGCTCTGACCGCGCA--AAACGGATGACTGGGCCTTCGGGGCG
CR10	AACG-CACGCTCTGACCGCGCTAAACACGGATGGGTGCCCTTGCTTTGCG
It_K61	GGTG-CACGCTCTGACCGCGCAAAAGACAGTTCTGACGGACCCTCACGCG
Fr_K10	GGTA-CACGCTCTGACCACGACAAAGACAGTCCCGGTAATCTTCTGGTG
It_K66	GGTA-CACGCTCTGACCACGACAAAGACAGTTCGGGCAATCTTCGGGTG
Uk_K79	GGTA-CACGCTCTGACCACGACAAAGACAGTTCGGGCAATCTTCGGGTG
Pr3_1	GATG-CACGTTCTGACCGCGATAAAACGGATCACTTNGGTGGCCCGCG
It_K71	GGTG-CACGTTTGACCGCGCTAAAGACAGTCTTGTTAAGCCCTTGCGG
Fr_K18	GGGTGCACGCTTGACCGCGCTAAAGACAGATCTCGGCGAGCCTTCGGCG
Fr_K62	GGTG-CACGTTTGACCGCGCTAAACACAGTCCCTTGTTAAGCCCTCAGCG
No_K94	GATG-CACGCTTGACCGCGCTAAACAAGGATCAGGTTACCGACCTCGCG
Cur_1	AGTCGCACAGTACGACCACGCTAAAAACGGTATCCGCTTCGTGCGCTGTG
Az4_1	AGTCGCACAGTAAGACCATCATAAAACGGTCCCTCGTTTCGCTGGCCGTG
PR_1	AGTCGCACAGTACGACCACCATAAAAACGGTATCCGCTTCGTGCGCTGTG
Butricularis	GGCCACACGTTTACGACCACCATACAAACGGTCGTTTCGTTCCGAAAGGTG
NY_1	GAATGCACGTTTACGACCGCTTTTACACAGATAGGGGGTAATCTTCGCG
Poblunga	AGCTGCACGCTCTGACCCACTGCAAAACGGGCTCGCTTGTGAACNCTGTG
Idn2	GGATGCACGATCAAACCACCATACAAACGATATCGTCGCGTAAGCGCGTG
CJ1_1	GAGTGCACGATCAAACCACCATAAAAACGATAGGGCAGGGAACCCCGTG
CR_1	GAGTGCACGATCAAACCACCATAAAAACGATAGGGCAGGGAACCCCGTG
Pdidermoides	GAGTGCACGATCAAACCACCATACAAACGATTAGTCGGGAAGCCTTGTG
UFF1	GGCCACACGTNCGGACCGCCACACAAACGGTTGCTCTCGTCTCCGACGCG
CJA3	AGTCGCACAGTACGACCACCATAAAAACGGTATCCGCTTCGCTGCCTGTG
Prigidum	GGCCACACGATCAGACCGCTATTCAAACAGTCGCTTGTCTGAACGCCGCG
C1	AGACGCACGTTTACGACCACCATACAAACAGTCTTGCCGGGGTTTCGCGGTG
PpolycephalumWis1	GGCCACACGATCTGACCACCATACAAACGGTTATCCGCTTCGAAAGCGTG
Sflavogenita	GGACGCACGTTTACGACCGCATCCAAACGGGGAGGGGGCTTCGCTGCG

CUR1_4	GCTCTTGCTTTGTGCTTCTGACCTATCAACTAGATGGCAGCGTAACGGAC
HA4_1	GCTCTTGCTTTGTGCTTCTGACCTATCAACTAGACGGCAGCGTAATGGAC
CR19_1	GCTCTTGCTTTGTGCTTCTGACCTATCAACTAGATGGCAGCGTAACGGAC
Pan2	GCTCTTGCTTTGTGCTTCTGACCTATCAACTAGATGGCAGCGTAACGGAC
CR8_1	GCTCTTGCTTTGTGCTTCTGACCTATCAACTAGATGGCAGCGTAACGGAC
Fr_K7	GCTCTTGCTGTGTGCTTCTGACCTATCAACTAGATGGCAGCGTAAGGGAC
Fr_K15	GCTCTTGCTGTGTGCTTCTGACCTATCAACTAGATGGCAGCGTAAGGGAC
CR10	GCTCTTGCTGTGTGCTTCTGACCTATCAACTAGACGGCAGCGTAATGGAC
It_K61	GCTCTTGCGAAGTGCTTCTGACCTATCAACTAGACGGCAGCGTAACGGAC
Fr_K10	GCTCTTGCGAGGTGCTTCTGACCTATCAACTAGATAGCAGCGTAACGGAC
It_K66	GCTCTTGCGAGGTGCTTCTGACCTATCAACTAGATGGCAGCGTAACGGAC
Uk_K79	GCTCTTGCGAGGTGCTTCTGACCTATCAACTAGATGGCAGCGTAACGGAC
Pr3_1	GCTCTTGCGATGTGCTTCTGACCTATCAACTAGATGGCAGCGTAACGGAC
It_K71	GCTCTTGCGGTGTGCTTCTGACCTATCAACTAGACGGCAGCGTAAGGGAC
Fr_K18	GCTCTTGCTGTGTGCTTCTGACCTATCAACTAGACGGCAGCGTAAGGGAC
Fr_K62	GCTCTTGCGGTGTGCTTCTGACCTATCAACTAGACGGCAGCGTAAGGGAC
No_K94	GCTCTTGCAATGTGCTTCTGACCTATCAACTAGATGGCAGCGTAACGGAC
Cur_1	GCTCTTGCAAGGTGCTTCTGACCTATCAACTAGATGGCAGCGTAACGGAC
Az4_1	GCTCTTGCAAGGTGCTTCTGACCTATCAACTAGATGGCAGCGTAAGGGAC
PR_1	GCTCTTGCAAGGTGCTTCTGACCTATCAACTAGATGGCAGCGTAACGGAC
Butricularis	GCTCTTGCTGTGTGCTTCTGACCTATCAACTAGATGGCAGCGTAACGGAC
NY_1	GCTCTAGCACGGTGCTTCTGACCTATCAACTAGATGGCAGCGTAACGGAC
Poblunga	GCTCTTGCAATGTGCTTCTGACCTATCAACTAGATGGCAGCGTAAGGGAC
Idn2	GGCCTTGCTGTGTGCTTCTGACCTATCAACTAGATGGCAGCGTAAGGGAC
CJ1_1	GGCCTTGCTGTGTGCTTCTGACCTATCAACTAGATGGCAGCGTAATGGAC
CR_1	GGCCTTGCTGTGTGCTTCTGACCTATCAACTAGATGGCAGCGTAAGGGAC
Pdidermoides	GGTCTTGCTGTGTGCTTCTGACCTATCAACTAGATGGCAGCGTAAGGGAC
UFF1	GCTCTTGCTGTGTGCTTCTGACCTATCAACTAGATGGCAGCGTAACGGAC
CJA3	GCTCTTGCAAGGTGCTTCTGACCTATCAACTAGATGGCAGCGTAACGGAC
Prigidum	GCTCTCGCTGTGTGCTTCTGACCTATCAACTAGATGGCAGCGTAAGGGAC
C1	GCTCTCGCTTTGTGCTTCTGACCTATCAACTAGATGGCAGCGTAAGGGAC
PpolycephalumWis1	GCTCTCGCTGTGTGCTTCTGACCTATCAACTAGATGGCAGCGTAACGGAC
Sflavogenita	GCCCCGCAACGGGCTTCTGACCTATCAACTAGACGGCAGCGTAAGGGAC
CUR1_4	ATGCTATGGTTACAACGGGTACAGAGGATAAAGGTTTCGATCCTGGAGAGT
HA4_1	ATGCTATGGTTACAACGGGTACAGAGGATTAGGGTTTCGATCCTGGAGAGT
CR19_1	ATGCTATGGTTACAACGGGTACAGAGGATAAAGGTTTCGATCCTGGAGAGT
Pan2	ATGCTATGGTTACAACGGGTACAGAGGATAAAGGTTTCGATCCTGGAGAGT
CR8_1	ATGCTATGGTTACAACGGGTACAGAGGATAAAGGTTTCGATCCTGGAGAGT
Fr_K7	ATGCTATGGTGACAACGGGTACAGAGGATTAGGGTTTCGATCCTGGAGAGT
Fr_K15	ATGCTATGGTGACAACGGGTACAGAGGATTAGGGTTTCGATCCTGGAGAGT
CR10	ATGCTATGGTTACAACGGGTACAGAGGATTAGGGTTTCGATCCTGGAGAGT
It_K61	ATGCCATGGTTACAACGGGTACAGAGGATTAGGGTTTCGATCCTGGAGAGT
Fr_K10	ATGCCATGGTTACAACGGGTACAGAGGATTAGGGTTTCGATCCTGGAGAGT
It_K66	ATGCCATGGTTACAACGGGTACAGAGGATTAGGGTTTCGATCCTGGAGAGT
Uk_K79	ATGCCATGGTTACAACGGGTACAGAGGATTAGGGTTTCGATCCTGGAGAGT
Pr3_1	ATGCTATGGTTGCAACGGGTACAGAGGATTAGGGTTTCGATCCTGGAGAGT
It_K71	ATGCTATGGTTACAACGGGTACAGAGGATAAAGGTTTCGATCCTGGAGAGT
Fr_K18	ATGCTATGGTTACAACGGGTACAGAGGATTAGGGTTTCGATCCTGGAGAGT
Fr_K62	ATGCTATGGTTACAACGGGTACAGAGGATAAAGGTTTCGATCCTGGAGAGT
No_K94	ATGCTATGGTTACAACGGGTACAGAGGATTAGGGTTTCGATCCTGGAGAGT
Cur_1	ATGCTATGGTGACAACGGGTACAGAGGATAAAGGTTTCGATCCTGGAGAGT
Az4_1	ATGCTATGGTGACAACGGGTACAGAGGATAAAGGTTTCGATCCTGGAGAGT
PR_1	ATGCTATGGTGACAACGGGTACAGAGGATAAAGGTTTCGATCCTGGAGAGT
Butricularis	ATGCTATGGTGACAACGGGTACAGAGGATAAAGGTTTCGATCCTGGAGAGT
NY_1	ATGCTATGGTGACAACGGGTACAGAGGATAAAGGTTTCGATCCTGGAGAGT
Poblunga	ATGCTATGGTGACAACGGGTACAGAGGATAAAGGTTTCGATCCTGGAGAGT
Idn2	ATGCTATGGTGACAACGGGTACAGAGGATAAAGGTTTCGATCCTGGAGAGT
CJ1_1	ATGCTATGGTGACAACGGGTACAGAGGATAAAGGTTTCGATCCTGGAGAGT
CR_1	ATGCTATGGTGACAACGGGTACAGAGGATAAAGGTTTCGATCCTGGAGAGT
Pdidermoides	ATGCTATGGTGACAACGGGTACAGAGGATAAAGGTTTCGATCCTGGAGAGT
UFF1	ATCCTATGGTGACAACGGGTACAGAGGATAAAGGTTTCGATCCTGGAGAGT
CJA3	ATGCTATGGTGACAACGGGTACAGAGGATAAAGGTTTCGATCCTGGAGAGT
Prigidum	ATGCTATGGTAACAACGGGTACAGAGGATAAAGGTTTCGATCCTGGAGAGT
C1	ATGCTATGGTGACAACGGGTACAGAGGATAAAGGTTTCGATCCTGGAGAGT
PpolycephalumWis1	ATGCCATGGTAACAACGGGTACAGAGGATAAAGGTTTCGATCCTGGAGAGT
Sflavogenita	ATGCTATGGTAACAACGGGTACAGAGGATTAGGGTTTCGATCCTGGAGAGT

CUR1_4	GGGCCTGAGAGATTGCTCATACTTCTAAGGAAGGCAGCAGGCGCGCAACG
HA4_1	GGGCCTGAGAGATTGCTCATACTTCTAAGGAAGGCAGCAGGCGCGCAACG
CR19_1	GGGCCTGAGAGATTGCTCATACTTCTAAGGAAGGCAGCAGGCGCGCAACG
Pan2	GGGCCTGAGAGATTGCTCATACTTCTAAGGAAGGCAGCAGGCGCGCAACG
CR8_1	GGGCCTGAGAGATTGCTCATACTTCTAAGGAAGGCAGCAGGCGCGCAACG
Fr_K7	GGGCCTGAGAGATTGCTCATACTTCTAAGGAAGGCAGCAGGCGCGCAACG
Fr_K15	GGGCCTGAGAGATTGCTTATACTTCTAAGGAAGGCAGCAGGCGCGCAACG
CR10	GGGCCTGAGAGATTGCTCATACTTCTAAGGAAGGCAGCAGGCGCGCAACG
It_K61	GGGCCTGAGAGATTGCTCATACTTCTAAGGAAGGCAGCAGGCGCGCAACG
Fr_K10	GGGCCTGAGAGATTGCTCATACTTCTAAGGAAGGCAGCAGGCGCGCAACG
It_K66	GGGCCTGAGAGATTGCTCATACTTCTAAGGAAGGCAGCAGGCGCGCAACG
Uk_K79	GGGCCTGAGAGATTGCTCAYACTTCTAAGGAAGGCAGCAGGCGCGCAACG
Pr3_1	GGGCCTGAGAGATTGCTCATACTTCTAAGGAAGGCAGCAGGCGCGCAACG
It_K71	GGGCCTGAGAGATTGCTCATACTTCTAAGGAAGGCAGCAGGCGCGCAACG
Fr_K18	GGGCCTGAGAGATTGCTCATACTTCTAAGGAAGGCAGCAGGCGCGCAACG
Fr_K62	GGGCCTGAGAGATTGCTCATACTTCTAAGGAAGGCAGCAGGCGCGCAACG
No_K94	GGGCCTGAGAGATTGCTCATACTTCTAAGGAAGGCAGCAGGCGCGCAACG
Cur_1	GGGCCTGAGAGATTGCTCACACTTCTAAGGAAGGCAGCAGGCGCGCAACG
Az4_1	GGGCCTGAGAGATTGCTCACACTTCTAAGGAAGGCAGCAGGCGCGCAACG
PR_1	GGGCCTGAGAGATTGCTCACACTTCTAAGGAAGGCAGCAGGCGCGCAACG
Butricularis	GGGCCTGAGAGATTGCTCACACTTCTAAGGAAGGCAGCAGGCGCGCAACG
NY_1	GGGCCTGAGAGATTGCTCACACTTCTAAGGAAGGCAGCAGGCGCGCAACG
Poblunga	GGGCCTGAGAGATTGCTCACACTTCTAAGGAAGGCAGCAGGCGCGCAACG
Idn2	GGGCCTGAGAGATTGCTCACACTTCTAAGGAAGGCAGCAGGCGCGTAACG
CJ1_1	GGGCCTGAGAGATTGCTCACACTTCTAAGGAAGGCAGCAGGCGCGTAACG
CR_1	GGGCCTGAGAGATTGCTCACACTTCTAAGGAAGGCAGCAGGCGCGTAACG
Pdidermoides	GGGCCTGAGAGATTGCTCACACTTCTAAGGAAGGCAGCAGGCGCGTAACG
UFF1	GGGCCTGAGAGATTGCTCACACTT-TAAGGAAGGCAGCAGGCGCGCAACG
CJA3	GGGCCTGAGAGATTGCTCACACTTCTAAGGAAGGCAGCAGGCGCGCAACG
Prigidum	GGGCCTGAGAGATTGCTCACACTTCTAAGGAAGGCAGCAGGCGCGCAACG
C1	GGGCCTGAGAGATTGCTCACACTTCTAAGGAAGGCAGCAGGCGCGTAACG
PpolycephalumWis1	GGGCCTGAGAGATTGCTCACACTTCTAAGGAAGGCAGCAGGCGCGCAACG
Sflavogenita	GGGCCTGAGAGATTGCTCATACTTCTAAGGAAGGCAGCAGGCGCGCAACG
CUR1_4	TTCCCCCTTGTGCAATGCATGAGGGCGTTAGGGGACATATGAATGCCTGCC
HA4_1	TTCCCCCTTGTGCAATGCATGAGGGCGTTAGGGGACATATGAATGCCTGCC
CR19_1	TTCCCCCTTGTGCAATGCATGAGGGCGTTAGGGGACATATGAATGTCTGCC
Pan2	TTCCCCCTTGTACAATGTATGAGGGCGTTAGGGGACATATGAATGTCTGCC
CR8_1	TTCCCCCTTGTACAATGTATGAGGGCGTTAGGGGACATATGAATGTCTGCC
Fr_K7	TTCCCATTTGGACATCGTCCGAGGGCGTTAGGGGACATATGAATGTCTGCC
Fr_K15	TTCCCATTTGGACATCGTCCGAGGGCGTTAGGGGACATATGAATGTCTGCC
CR10	TTCCCCCTTGTGCAATGCATGAGGGCGTTAGGGGACATATGGATGCCTGCC
It_K61	TTCCCCCTTGGGCAATGCCGAGGGCGTTAGGGGACATATGAATGGTTGCC
Fr_K10	TTCCCCCTTGGACAATGTCCGAGGGCGTTAGGGGACATATGAATGGTTGCC
It_K66	TTCCCCCTTGGACAATGTCCGAGGGCGTTAGGGGACATATGAATGGTTGCC
Uk_K79	TTCCCCCTTGGACAATGTCCGAGGGCGTTAGGGGACATATGAATGGTTGCC
Pr3_1	TTCCCCCTTGGACAATGTTGAGGGCGTTAGGGGACATATGAATGCTTGCC
It_K71	TTCCCCCTTGGGCAATGCTCGAGGGCGTTAGGGGACATATGAATGCCTGCC
Fr_K18	TTCCCCCTTGGGCAATGCCGAGGGCGTTAGGGGACATATGAATGCCTGCC
Fr_K62	TTCCCCCTTGGGCAATGCTCGAGGGCGTTAGGGGACATATGAATGCCTGCC
No_K94	TTCCCCCTTGGGCAATGCCGAGGGCGTTAGGGGACATATGAATGCCTGCC
Cur_1	TTCCCCCTTGGGCAATGCTCGAGGGCGTTAGGGGACATATGAATGCCTGCC
Az4_1	TTCCCCCTTGGGCAATGCTCGAGGGCGTTAGGGGACATATGAATGTCTGCC
PR_1	TTCCCCCTTGGGCAATGCTCGAGGGCGTTAGGGGACATATGAATGCTTGCC
Butricularis	TTCCCATTTGGGCAAAGCTCGAGGGCGTTAGGGGACATATGAATGCCTGCC
NY_1	TTCCCATTTGGACAATGTCCGAGGGCGTTAGGGGACATATGAATGTCTGCC
Poblunga	TTCCCATTTGGACTCCGTCGAGGGCGTTAGGGGAAATATGAATGTCTGCC
Idn2	TTCCCATTTGGGCAAAGCCTGAGGGCGTTAGGGGACATATGAATGCTTGCC
CJ1_1	TTCCCATTTGGGCAAAGCCTGAGGGCGTTAGGGGACATATGAATGCTTGCC
CR_1	TTCCCATTTGGGCAAAGCCTGAGGGCGTTAGGGGACATATGAATGCTTGCC
Pdidermoides	TTCCCATTTGGGCAAAGCCTGAGGGCGTTAGGGGACATATGAATGCTTGCC
UFF1	TTCCCATTTGGGCAAAGCTCGAGGGCGTTAGGGGACATATGAATGCCTGCC
CJA3	TTCCCCCTTGGGCAATGCTCGAGGGCGTTAGGGGACATATGAATGCCTGCC
Prigidum	TTCCCATTTGGGCACAGCTCGAGGGCGTTAGGGGACATATGAATGCCATC
C1	TTCCCCCTTGGGCAATGCTCGAGGGCGTTAGGGGACATATGAATGCCTGCC
PpolycephalumWis1	TTCCCATTTGGGCAAAGCTCGAGGGCGTTAGGGGACATATGAATGCCTGCC
Sflavogenita	TTCCCCCTTGGGCAAAGCTCGAGGGCGTTATGGGAAATATGAATGCTTGCC

CUR1_4	CTTTGGGTGGGCAATTCAAATGGGTCTGTTGTAAACAGGCTCTCGAGTAA
HA4_1	CAATGGGTGGGCAATTCAAATGGGTCTGTTGTAAACAGGCTCTCGAGTAA
CR19_1	CTATGGGTGGACAATTCAAATGGGTCTGTTGTAAACAGGCTCTCGAGTAA
Pan2	CTATGGGTGGACAATTCAAATGGGTCTGTTGTAAACAGGCTCTCGAGTAA
CR8_1	CTATGGGTGGACAATTCAAATGGGTCTGTTGTAAACAGGCTCTCGAGTAA
Fr_K7	CATTGGGTGGACAATTCAAATGGGTCTGTTCTAAACAGGCTCTCGAGTAA
Fr_K15	CATTGGGTGGACAATTCAAATGGGTCTGTTCTAAACAGGCTCTCGAGTAA
CR10	CAATGGGTGGGCAATTCAAATGGGTCTGTTGTAAACAGGCTCTCGAGTAA
It_K61	TTTTAGGTGGCCAATTCAAATGGGTCTGTTCTAAACAGTCTCTCGAGTAA
Fr_K10	TTTTAGGTGGCCAATTCAAATGGGTCTGTTCTAAACAGTCTCTCGAGTAA
It_K66	TTTTAGGTGGCCAATTCAAATGGGTCTGTTCTAAACAGTCTCTCGAGTAA
Uk_K79	TTTTAGGTGGCCAATTCAAATGGGTCTGTTCTAAACAGTCTCTCGAGTAA
Pr3_1	ATT--GGTAGGCAATTCAAATGGGTCTGTTCTAAACAGCCTCTCGAGTAA
It_K71	ATATTGGTGGGCAATTCAAATGGGTTTGTCTAAACAGCCTTTTCGAGTAA
Fr_K18	ATATTGGTGGGCAATTCAAATGGGTCTGTTCTAAACAGCCTCTCGAGTAA
Fr_K62	ATATTGGTGGGCAATTCAAATGGGTTTGTCTAAACAGCCTTTTCGAGTAA
No_K94	CTATGGGTGGGCAATTCAAATGGGTTTGTGTAAACAGCCCTTCGAGTAA
Cur_1	ATTT--GGTGGGCAATTCAAATGGGTTTCGTTCTAAACAGCCCTTCGAGTAA
Az4_1	TTTT--GGTGGACAATTCAAATGGGTCTGTTCTAAACAGCCTCTCGAGTAA
PR_1	ATTT--GGTGGGCAATTCAAATGGGTTTCGTTCTAAACAGCCCTTCGAGTAA
Butricularis	TTAT--GGTGGGCAATTCAAATGGGACTGTTTAAACATCCTATCGAGTAA
NY_1	TTAT--GGTGGACAATTCAAATGGGTTTGTCTAAACAACCTTTTCGAGTAA
Poblunga	TTAT--GGTGGACAATTCAAATGGGACTGTTCTAAACAGCCCATCGNGTAA
Idn2	ATTT--GGTAGGCAATTCAAATGGGTTTGTCTAAACAGCCCTTCGAGTAA
CJ1_1	ATAT--GGTAGGCAATTCAAATGGGTTTCGTTCTAAACAACCTTCGAGTAA
CR_1	ATAT--GGTAGGCAATTCAAATGGGTTTCGTTCTAAACAACCTTCGAGTAA
Pdidermoides	TTAT--GGTAGGCAATTCAAATGGGTTTGTCTAAACAGCCTATCGAGTAA
UFF1	TTT--GGTGGGCAATTCAAATGGGACTGTTTAAACATCCTATCGAGTAA
CJA3	ATTT--GGTGGGCAATTCAAATGGGTTTCGTTCTAAACAGCCCTTCGAGTAA
Prigidum	TTAATGGTGGGTAATTCAAATGGGCGGTTTAAATATCCTATCGAGTAA
C1	TTTT--GGTGGGCAATTCAAATGGGTCTGTTCTAAACAGCCTCTCGAGTAA
PpolycephalumWis1	TTAT--GGTGGGCAATTCAAATGGGACTGTTTAAACATCCTATCGAGTAA
Sflavogenita	TTTACGGTGGGCAATTCAAATGGGTTTGTCTGTAAACAGGCTCTCGAGTAA
CUR1_4	CAATTAGAGGACAAGTCTGGTGCCAGCACCCGCGGTAATTCAGCTCTAA
HA4_1	CAATTAGAGGACAAGTCTGGTGCCAGCACCCGCGGTAATTCAGCTCTAA
CR19_1	CAATTAGAGGACAAGTCTGGTGCCAGCACCCGCGGTAATTCAGCTCTAA
Pan2	CAATTAGAGGACAAGTCTGGTGCCAGCACCCGCGGTAATTCAGCTCTAA
CR8_1	CAATTAGAGGACAAGTCTGGTGCCAGCACCCGCGGTAATTCAGCTCTAA
Fr_K7	CAATTAGAGGACAAGTCTGGTGCCAGCACCCGCGGTAATTCAGCTCTAA
Fr_K15	CAATTAGAGGACAAGTCTGGTGCCAGCACCCGCGGTAATTCAGCTCTAA
CR10	CAATTAGAGGACAAGTCTGGTGCCAGCACCCGCGGTAATTCAGCTCTAA
It_K61	CAATTAGAGGACAAGTCTGGTGCCAGCACCCGCGGTAATTCAGCTCTAA
Fr_K10	CAATTAGAGGACAAGTCTGGTGCCAGCACCCGCGGTAATTCAGCTCTAA
It_K66	CAATTAGAGGACAAGTCTGGTGCCAGCACCCG---TAATTCAGCTCTAA
Uk_K79	CAATTAGAGGACAAGTCTGGT--CCAGCACCCGCGGTAATTCAGCTCTAA
Pr3_1	CAATTAGAGGACAAGTTTGGTGCCAGCACCCGCGGTAATTCAGCTCTAA
It_K71	CAATTAGAGGACAAGTCTGGTGCCAGCACCCGCGGTAATTCAGCTCTAA
Fr_K18	CAATTAGAGGACAAGTCTGGTGCCAGCACCCGCGGTAATTCAGCTCTAA
Fr_K62	CAATTAGAGGACAAGTCTGGTGCCAGCACCCG--GGTAATTCAGCTCTAA
No_K94	CAATTAGAGGACAAGTCTGGTGCCAGCACCCGCGGTAATTCAGCTCTAA
Cur_1	CAATTAGAGGACAAGTCTGGTGCCAGCACCCGCGGTAATTCAGCTCTAA
Az4_1	CAATTAGAGGACAAGTCTGGTGCCAGCACCCGCGGTAATTCAGCTCTAA
PR_1	CAATTAGAGGACAAGTCTGGTGCCAGCACCCGCGGTAATTCAGCTCTAA
Butricularis	CAATTAGAGGACAAGTCTGGTGCCAGCACCCGCGGTAATTCAGCTCTAA
NY_1	CAATTGAGGACAAGTCTGGTGCCAGCACCCGCGGTAATTCAGCTCTAA
Poblunga	CAATTAGAGGACAAGTCTGGTGCCAGCACCCGCGGTAATTCAGCTCTAA
Idn2	CAATTAGAGGACAAGTCTGGTGCCAGCACCCGCGGTAATTCAGCTCTAA
CJ1_1	CAATTAGAGGACAAGTCTGGTGCCAGCACCCGCGGTAATTCAGCTCTAA
CR_1	CAATTAGAGGACAAGTCTGGTGCCAGCACCCGCGGTAATTCAGCTCTAA
Pdidermoides	CAATTAGAGGACAAGTCTGGTGCCAGCACCCGCGGTAATTCAGCTCTAA
UFF1	CAATTAGAGGACAAGTCTGGTGCCAGCACCCGCGGTAATTCAGCTCTAA
CJA3	CAATTAGAGGACAAGTCTGGTGCCAGCACCCGCGGTAATTCAGCTCTAA
Prigidum	CAATTAGAGGACAAGTCTGGTGCCAGCACCCGCGGTAATTCAGCTCTAA
C1	CAATTAGAGGACAAGTCTGGTGCCAGCACCCGCGGTAATTCAGCTCTAA
PpolycephalumWis1	CAATTAGAGGACAAGTCTGGTGCCAGCACCCGCGGTAATTCAGCTCTAA
Sflavogenita	CAATTAGAGGACAAGTCTGGTGCCAGCACCCGCGGTAATTCAGCTCTAA

CUR1_4	TAGCATACGTTAAAGTTGTTGCGGTTAAACCGCTCGTAGTCGGCTTCAGA
HA4_1	TAGCATACGTTAAAGTTGTTGCGGTTAAACCGCTCGTAGTCGGCTACAGA
CR19_1	TAGCATACGTTAAAGTTGTTGCGGTTAAACCGCTCGAAGTCGGCATAAGA
Pan2	TAGCATACGTTAAAGTTGTTGCGGTTAAACCGCTCGTAGTCGGCTTAAGG
CR8_1	TAGCATACGTTAAAGTTGTTGCGGTTAAACCGCTCGTAGTCGGCTTAAGG
Fr_K7	TAGCATACGTTAAAGTTGTTGCGGTTAAACCGCTCGTAGTCGGCTTGAGA
Fr_K15	TAGCATACGTTAAAGTTGTTGCGGTTAAACCGCTCGTAGTCGGCTTGAGA
CR10	TAGCATACGTTAAAGTTGTTGCGGTTAAACCGCTCGTAGTCGGCTTCAGA
It_K61	TAGCATACGTTAAAGTTGTTGCGGTTAAACCGCTCGTAGTCGGCTTCAGA
Fr_K10	TAGCATACGTTAAAGTTGTTGCGGTTAAACCGCTCGTAGTCGGCTTAAGA
It_K66	TAGCATACGTTAAAGTTGTTGCGGTTAAACCGCTCGTAGTCGGCTTAAGA
Uk_K79	TAGCATACGTTAAAGTTGTTGCGGTTAAACCGCTCGTAGTCGGCTTAAGA
Pr3_1	TAGCGTACGTTAAAGTTGTTGCGGTTAAACCGCTCGTAGTCGGCTTCAGA
It_K71	TAGCATACGTTAAAGTTGTTGCGGTTAAACCGCTCGTAGTCGGCTTAAGA
Fr_K18	TAGCATACGTTAAAGTTGTTGCGGTTAAACCGCTCGTAGTCGGCTTAAGA
Fr_K62	TAGCATACGTTAAAGTTGTTGCGGTTAAACCGCTCGTAGTCGGCTTAAGA
No_K94	TAGCATACGTTAAAGTTGTTGCGGTTAAACCGCTCGTAGTCGGCTTCAGA
Cur_1	TAGCATACGTTAAAGTTGTTGCGGTTAAACCGCTCGTAGTCGGCGCCAGA
Az4_1	TAGCATACGTTAAAGTTGTTGCGGTTAAACCGCTCGTAGTCGGCGCCAGA
PR_1	TAGCATACGTTAAAGTTGTTGCGGTTAAACCGCTCGTAGTCGGCGCCAGA
Butricularis	TAGCATACGTTAAAGTTGTTGCGGTTAAACCGCTCGTAGTCGGCCACAGA
NY_1	TAGCATACGTTAAAGTTGTTGCGGTTAAACCGCTCGTAGTCTGCATAAGA
Poblonga	TAGCATACGTTAAAGTTGTTGCGGTTAAACCGCTCGTAGTCGGCACGAGA
Idn2	TAGCATACGTTAAAGTTGTTGCGGTTAAACCGCTCGTAGTCGGCGCCAGA
CJ1_1	TAGCATACGTTAAAGTTGTTGCGGTTAAACCGCTCGTAGTCGGCGCCAGA
CR_1	TAGCATACGTTAAAGTTGTTGCGGTTAAACCGCTCGTAGTCGGCGCCAGA
Pdidermoides	TAGCATACGTTAAAGTTGTTGCGGTTAAACCGCTCGTAGTCGGCAACAGA
UFF1	TAGCATACGTTAAAGTTGTTGCGGTTAAACCGCTCGTAGTCGGCAACAGA
CJA3	TAGCATACGTTAAAGTTGTTGCGGTTAAACCGCTCGTAGTCGGCGCCAGA
Prigidum	TAGCATACGTTAAAGTTGTTGCGGTTAAACCGCTCGTAGTCGGCTCCAGA
C1	TAGCATACGTTAAAGTTGTTGCGGTTAAACCGCTCGTAGTCGGCTTAAGA
PpolycephalumWis1	TAGCATACGTTAAAGTTGTTGCGGTTAAACCGCTCGTAGTCGGCTCCAGA
Sflavogenita	TAGCATACGTTAAAGTTGTTGCGGTTAAACCGCTCGTAGTCGGCTTCAGA
CUR1_4	TCATCAGATGCCTGAGCTGCAATCCCGGGTCAGC-T--GCCTTTCGGGGC
HA4_1	CCATCAGAAGCCTGACCTGTGACCCCGGGACCGC-T--GCCTTTCGGGGC
CR19_1	TCGTCAGAATCCCGATCTGCAAACCTTGCTT-GT-T--GCCTTTCGGGGC
Pan2	CCATCAGATTCTGATCTGCGAGTCCGGGTCCGC-T--GCCTTTCGGGGC
CR8_1	CCATCAGATTCTGATCTGCGAGTCCGGGTCCGC-T--GCCTTTCGGGGC
Fr_K7	CCATCAGTGCCTGAGCAGGGAACCCGGGACTG--T--GCCTTTCGAGGT
Fr_K15	CCATCAGTGCCTGAGCAGGGAACCCGGGACTG--T--GCCTTTCGAGGT
CR10	TCATCAGATGCCAGAGTCGTAATCTCGGGTCCGC-T--GCCCTTCGGGGC
It_K61	TCATCAAACGCCTGAGACGGG--AACCTGGCTGC-T--GCCTTCAAAGGC
Fr_K10	TCATCAGAAGCTTGCGATGGA--ACCCTGGATGC-T--GCCTTCAATGGT
It_K66	TCATCAGAAGCTTGCGATGGA--ACCCTGGATGC-T--GCCTTCAATGGT
Uk_K79	TCATCAGAAGCTTGCGATGGA--ACCCTGGATGC-T--GCCTTCAATGGT
Pr3_1	TCGTCACGAAGCCGGAACGGGCCGGTCGGATTGT-C--GCCTC--AAGGC
It_K71	TCATCAGATGCCTGATCCGGGAGCCTGGGACCGC-T--GCTCTTCGGAGC
Fr_K18	TCGTCAGACGCCCCGATCCGGGAGTCCAGGCCTGC-T--GCTCTTCGGAGC
Fr_K62	TCATCAGATGCCTGATCCGGGAGCCTGGGACCGC-T--GCTCTTCGGAGC
No_K94	CCGTCAGAAGCCTAAGCTGGGAATCCGGATCCGTGT--CCTTCACTGGGC
Cur_1	TCTTCAGAATCCAGCGTTGGGGACC-GG-TTCGTTGCCCTGGTCAAGGGC
Az4_1	TCTTCAGAGTTCTGCGTTGGGACCT-GGGNNNGNTGCTCCGGTCAAGGGC
PR_1	TCTTCAGAATCCAGCGTTGGGGACC-GG-TTCGTTGCCCTGGTCAAGGGC
Butricularis	CCTTCAAAGCTTGATTCCGGGAACCCGGGCCTGCTGTCTTCTCCAAGGGC
NY_1	TCCTCAAAGCCTTTCGCTAGGTCCTTAGGTTTCGTCGCCCTGCCAAGGGC
Poblonga	CCTTCAATGCTTCGGATCGTGATCCT--GTTTGCTGCTTCTCAA-GCGT
Idn2	TCTTCAGAACCCTGATACGCGAAGC-GGGTCAGCTGCCCGGTCAAGGGC
CJ1_1	TCTTCAGAACCCTCGAGACACAAAGC-AGGTCAGTCGCTCCTGTCAAGGGC
CR_1	TCTTCAGAACCCTGAGACACGAAGC-AGGTCAGTCGCTCC-GTCAAGAGC
Pdidermoides	TCTTCAGAACCCTCGATTACGAAGC-GAGTCAGCTGCCCGGTCAAGGGC
UFF1	TCGTCGTAACCTCGATTCCGGGACCCTGGGCCAGCTGTTCTTCTCGGAAC
CJA3	TCTTCAGAATCCAGCGTTGGGGACC-GG-TTCGTTGCCCTGGTCAAGGGC
Prigidum	CCTTCAGAAGCCTGAAGCGGGACGCTGGGTGAGCTATTTCTCCGAGGAC
C1	TCTTCAGATTCTTGCCTGGGAGCC-GGGTCCGTTGCCCTCGTAAAGGGC
PpolycephalumWis1	CCTTCAGAGCCTTGATTCCGGGACACTGGGTGAGCTGTCTTCTCCAAGAGC
Sflavogenita	CCATCAGAAGCCTGGCTCGGGTCTCGGGTCTGTGC--CTCGCAAGGGGT

CUR1_4	GCGCTGGGGCC-GTGGCCGAGGGTGGGCGGTGGTCAAGCGTGCCTCTGGC
HA4_1	GCGCTGG-GAG-AACGGAGACGGTGGGCGGTGGTCAAGTGTACCTTTGGC
CR19_1	GCACTGG-GCC-AGTGGAGAGGGAGGGCGGCGGTCAAGCGTATCCTTGGC
Pan2	GCGCTGG-GCG-AGTGGTGTGGAGGGCGGTGGCCAAGCGTGCCTCTGGT
CR8_1	GCGCTGG-GCG-AGTGGTGTGGAGGGCGGTGGCCAAGCGTGCCTCTGGT
Fr_K7	GCGCTGG-GCG-ACTAACAAGGGCGGGCGGTAGTCAAGTGTGCCGTAGGC
Fr_K15	GCGCTGG-GCCTACTAGCAAGGGCGGGCGGTAGTCAAGTGTGCCGTAGGC
CR10	GCGCTGG-GTG-CGTGACGATGGCGGGCGGTGGTCAAGCGTGCCTCCGGT
It_K61	GCTCCGG-GCG-ACTAGCAAGGGCTGACGGTGGTCAAGTGTGCCTCAGGC
Fr_K10	GCTCTGG-GCG-ACTGACAAAGGCTGGCGGTGATCAAGCGTGCCTTAGGC
It_K66	GCTCTGG-GCG-ACTGACAAAGGCTGGCGGTGATCAAGCGTGCCTTAGGC
Uk_K79	GCTCTGG-GCG-ACTGACAAAGGCTGGCGGTGATCAAGCGTGCCTTAGGC
Pr3_1	GCGCCGG-CTG-GTCTGTGACGGTTGACGGCGGTCAAACGTGCCTCAGGC
It_K71	GCGCCAG-GTA-ACTAGAGAGGGTGGGCGGTGGTCAAGTGTGCCTTGGGC
Fr_K18	GCGCTGG-ATG-ACTAGAGAGGGTGGGCGGTGGTCAAGTGTGCCTTGGGC
Fr_K62	GCGCCAG-GTA-ACTAGAGAGGGTGGGCGGTGGTCAAGTGTGCCTTGGGC
No_K94	TGGCCGG-AGG-ACTGGCAGGGTAGGCGGCGGTCAAGTGTGCCCCGGTT
Cur_1	ACGCTGGCGACCG--ACAACGGA-GGACGTCGGTCAACAGTGCCTTGGC
Az4_1	ACGCCAGGAAGT--ACAAGGGA-GGACGTCGATCAACAGTACTCGTGGC
PR_1	ACGCTGGCGACCG--ACAACGGA-GGACGTCGGTCAACAGTGCCTTAGC
Butricularis	GCGCCGGCTACTG--CTGATAGT-GGACGTCGGTCAAGTGTGCTCCAGGC
NY_1	ACACCTGGGGGTC-AGCAAGGGGGGACGGGGGTCAACCGTACACTGGGC
Poblunga	GCATCGGAGGATCGAACTGGAGTTTGACGTCGGTCGCATGTGCCTAGGGC
Idn2	GCGCCGTGGAGTA--TTGAGGGG-GGACGTCGGTCAACAGCTTCTCGCTT
CJ1_1	ACGCTGTGGAGGG--TCGAGGGGACGTCGATCAACAGCTTCTGTGGTT
CR_1	ACGCTGTGGAGGG--TTGAGAGGCAGACGTCGATCAACAGCTTCTGTGGTT
Pdidermoides	GCGTCGTGGAGAG--TTGAGAGGCAGACGTCGATCAACAGCTTCTGTGGTT
UFF1	GCGCCAGCTACTG--ATGACGGG-AGACGTCGGTCAACTGCGCCCAAGC
CJA3	ACGCTGGCGACCG--ACAACGGA-GGACGTCGATCAACAGTACCCGTAGC
Prigidum	GCGCCAGTACTG--CCGAGGGT-GGACGTCGGTCAAGCGTGTCTCAAGC
C1	ACGCCGGGACTG--GCAACGGA-GGACGTTGGTCGAACGCATTTCAGGC
PpolycephalumWis1	GCGCCAAGTACTG--ATGATAGG-GGACGTCGGTCAATCGTGCCCTGGGC
Sflavogenita	GCGCCTT--GGTCTTGGGCCGGGTGGGCGGCGGTCAATCGTGCCAGTGG
CUR1_4	TGTCCTTCGACAG-CTCGGCTGGGGGTGCCACTTACCATGATTAAACTGG
HA4_1	TGTCCTTCGACAG-TTCGGCTGGGGGTACCGATCAGATACCCAAACTGG
CR19_1	TGTCCTTCGACAG-CTCGGCTGGGGGTACCAATTACCATGACTAAACTGG
Pan2	CGTCTTCGACAG-CTCGGCTGGGGGTGCCACTTACCATGATTAAACTGG
CR8_1	CGTCTTCGACAG-CTCGGCTGGGGGTGCCACTTACCATGATTAAACTGG
Fr_K7	TGTACCTCAGAGATTTCGGCTTGCGGTACCACTTACCATAATCAAAGTGG
Fr_K15	TGTACCTCAGAGATTTCGGCTTGCGGTACCACTTACCATAATCAAAGTGG
CR10	CGTCTTCGACAG-TCTGGCTGGGGGTGCCACTTACCATGACCAAAGTGG
It_K61	TGTGTCTCAGAGTTTCGGCTTGCGGTACCACTTACCATGACTAAACCGG
Fr_K10	TGTATCTTCAGAGTTTCGGCTTGCGGTACCACTTACCATGATCAAACCGG
It_K66	TGTATCTTCAGAGTTTCGGCTTGCGGTACCACTTACCATGATCAAACCGG
Uk_K79	TGTATCTTCAGAGTTTCGGCTTGCGGTACCACTTACCATGATCAAACCGG
Pr3_1	TGTCTTCGACAGGCTTCGGCTTGCGGTACCACTTACCATGACTAAACCGG
It_K71	TGCTCTCCGACAGTCCGGCTTGCGGTACCACTTACTATGATTAAACTGG
Fr_K18	TGCTCTTCGAGGTTTCGGCTTGCGGTACCACTTACCATGATTAAACTGG
Fr_K62	TGCTCTCCGACAGTCCGGCTTGCGGTACCACTTACTATGATTAAACTGG
No_K94	CCTCTCTCCAGGCTTCGGACCGAGGTACCACTTACCATGATCAAAGTGA
Cur_1	TGCTCCCTCGCAGGTCGGCTTCGGG-TGCCATCTACCATGATTAAACCGG
Az4_1	TGCTCCCTCGCAGGTCGGCTTCGGG-TACCGTTTACCATGACTAAACCGG
PR_1	TGCTCCCTCGCAGGTCGGCTTCGGG-TGCCATCTACCATGATTAAACCGG
Butricularis	TGTCTCTCAGAGTTTCGGCTTGCGGTGCTATCACCATGATTAAACCGT
NY_1	CGTCTCCGACAGGTCGGCTTGCTTGGG-TACCATCTACCATGACTAAACTGG
Poblunga	CACTCTCCGAAAAGCCCGGTCCGCG-CGCCATTTACCATGATTAAACTGG
Idn2	CACCTTCGAAAAGGCTTCGGAGCGGTTGCCATTCATATGATTAAACTAT
CJ1_1	CACTCCTTCAAAAGCCTGGACTGCGTTGCCACTCACTATGATTAAACTAT
CR_1	CACTCCTTCAAAAGCCTGGACTGCGTCGCCACTCACTATGATTAAACTAT
Pdidermoides	CACTCCTTCAAAAGTCTGGACTGGGTCGCCAATCACTATGATTAAACTAT
UFF1	TGTCTTCTACAGGCTTCGGCTTGCGGCGCCCATCACCATGATCAAACCGT
CJA3	TGCTCCCTCGCAGGTCGGCTTCGGG-TGCCATCTACCATGATTAAACCGG
Prigidum	TGTTGCCCCACAGGCTTCGGCTTGCGTACCTATCACCATGATTAAACTGT
C1	TGCTCTTCGACAGTTCGGCTTCGGA-TGCCATTTACCATGATTAAACCGG
PpolycephalumWis1	TGTCTCCCGACAGGCTTCGGCTTCGGGTACCAATCACCATGATTAAACCGT
Sflavogenita	CGTGTGCGACAGGTCGGCTTCGGGTACCAATCACCATGATTAAACCGG

CUR1_4	GTTGATCAAGTAAGGTCTTTCGA-TCT-TGCACAGCACAGCATGGTATAA
HA4_1	GTTGATCAAGTAAGGTCTTTCGA-TCT-TGCACAGCACAGCATGGCATAA
CR19_1	GTTGATCAAGTAAGGCCATTCGG-TCT-TGCACAGCACAGCATGGTATAA
Pan2	GTTGATCAAGTAAGGTCTTTCGAATCT-TGCACAGCACAGCATGGTATAA
CR8_1	GTTGATCAAGTAAGGTCTTTCGAATCT-TGCACAGCACAGCATGGTATAA
Fr_K7	GGTGATCAAAGCAGGTCTGTCAGA-CCT-TGCACAGCACAGTATGGCGTAA
Fr_K15	GGTGATCAAAGCAGGTCTGTCAGA-CCT-TGCACAGCACAGTATGGCATAA
CR10	GTTGATCAAGTAAGGTCTTTCGA-TCT-TGCACAGCACAGCATGGCATAA
It_K61	CTCGATCAAGAATGGTCACGACGATCT-TGTACGGCGCAGCATGGCATAA
Fr_K10	CTCGATCAAGAAAGGTCTACGACGATCT-TGCACGGCTTAGCATGGAATAA
It_K66	CTCGATCAAGAAAGGTCTACGACGATCT-TGCACGGCTTAGCATGGAATAA
Uk_K79	CTCGATCAAGAAAGGTCTACGACGATCT-TGCACGGCTTAGCATGGAATAA
Pr3_1	ACCGATTAAGAGAGGTCTCT-CGATCT-TGTACGGCTCAGCATGGGATAA
It_K71	AGTGATCAAAGCAGGTCTGTCGA-CCT-TGCACAGCACAGCATAGCATAA
Fr_K18	GGTGATCAAAGCAGGTCTGTCAGA-CCT-TGCACAGCACAGCATGGCACAA
Fr_K62	AGTGATCAAAGCAGGTCTGTCGA-CCT-TGCACAGCACAGCATAGCATAA
No_K94	GGTGATCAAAGCAGGTCTTTCGA-CCT-TGCACAGCACAGCATGGCATAA
Cur_1	GGTGATCAAAGCAGGTCT-TT-CGACA-CGTACGGCGCAGCATGGTATAT
Az4_1	GGTGATCAAAGCAGGTCT-TT-CGACA-CGTACGGCGCAGCATGGCATAA
PR_1	GGTGATCAAAGCAGGTCT-TT-CGACA-CGTACGGCGCAGCATGGTATAT
Butricularis	AGTGACCAAAGCACGTCG-TT-AGACG-GGCACGGCACAGCATGGCACGA
NY_1	AGTGATCAAAGCATGTC--TTTCGACA-CGTACAGCGCAGCATGGA----
Poblunga	GGTGATCGAAGCATGACGCTTACGTCG-CGTACAGGATAGCATGGGT---
Idn2	AGTGATCAAAGCGGGTCA-TTACGACA-CGCATAGCACAGCATAGTATGA
CJ1_1	AGTGATCAAAGCGGGTCA-TT-CGACA-CGCATAGCACAGCATAGTATGA
CR_1	AGTGATCAAAGCGGGTCA-TT-CGACA-CGCATAGCACAGCATAGTATGA
Pdidermoides	AGTGATCAAAGCGGGTCA-TTACGACA-CGCATAGCACAGCATAGTATGA
UFF1	AGTGATCGAGGCACGTCTG-CA-AGACG-GGCACGGCACAGCATGGGATGA
CJA3	GGTGATCAAAGCAGGTCT-TT-CGACA-CGTACGGCGCAGCATGGTATAT
Prigidum	AGTGATCAAAGCAGGTCT-TT-CGATG-GGTGCAGCGTAGCATGGTACGG
C1	GGTGATCAAAGCAGGTCT-TT-CGACA-CGTACGGCGCAGCATGGTATAC
PpolycephalumWis1	AGTGACCAAAGCACGTCT-TT-AGACG-GGCACGGCACAGCATGGGACGA
Sflavogenita	AGTGATCAAAGCAAACCGCTGCGGTTACTGCACGGATTAGCATGGCATAA
CUR1_4	G-TCTAGCCTGTTTCGGTCTTCCCTC-GTGGGGGC-TGGGTGG-GCAGAAG
HA4_1	A-ACTAACCGGTCTAGGCTTCCCTC-GTGGGGGT-CGGGCTG-GTAAAG
CR19_1	A-ATCTGCCTGTTTGA-CCTCTCTC-GTGGGGGT-CAGGTGG-GTAAAG
Pan2	A-TTTAGCCTGTTTGGTCTTCCCTC-GCGGGGGC-TGGGTGG-GCAGAAG
CR8_1	A-TTTAGCCTGTTTGGTCTTCCCTC-GCGGGGGC-TGGGTGG-GCAGAAG
Fr_K7	G-TCTTACTGGCCGG-----CACTT-GCGAGGTG-CCGGTCG-GTAGAAG
Fr_K15	G-TCTTACTGGCCGG-----CACTT-GCGAGGTG-CCGGTCG-GTAGAAG
CR10	A-GGTAAGTGGCTGGTCTTCTCG-CGAGGGGC-TGGGCTG-GTAAAG
It_K61	G-CATAACTGGTCCGG-GATT-TCT-TGCGGTCC-TGGATCG-GTAGAAG
Fr_K10	G-TTAAACTGGCCCGG-GATT-CTC-GCGGATCC-TGGGTTG-GTAGAAG
It_K66	G-TTAAACTGGCCCGG-GATC-CTC-GCGGATCC-TGGGTTG-GTAGAAG
Uk_K79	G-TTAAACTGGCCCGG-GATT-CTC-GCGGATCC-TGGGTTG-GTAGAAG
Pr3_1	T-TAAACTGGTCCGG-GGCTACTT-GCGGGCCC-CGGGTTG-GTAAAG
It_K71	G-CAAACTGGCTTGG--CCCTATT-ACGGGGGC-TGGGTTG-GTAGAAG
Fr_K18	G-CGAAACCGGTCTGG--CTCTATT-ACGGGGGC-TGGGCTG-GTAGTAG
Fr_K62	G-CAAACTGGCTTGG--CCCTATT-ACGGGGGC-TGGGTTG-GTAGAAG
No_K94	G-CAAAACCGGCTCGGGGCTCCCTC-GCGGGTCC-CGGGTCG-GTAGAAG
Cur_1	--CTTCACCGGTCTTGCCCTAGTT--GCGGGGGC-TTGCTG-GTAAAG
Az4_1	--GCCACTGGCCTTGCCCTATTT--GCGGGGGC-TTGCTG-GTAAAG
PR_1	--CTTCACCGGTCTTGCCCTAGTT--GCGGGGGC-TTGCTG-GTAAAG
Butricularis	A-TGCGACCGGGCTCGCCTTTTTTTTGCGGGGGCTGAGACTCGGTAAAG
NY_1	--ATAAGCTCACCATCT---GGCCCCGAAA---CGGGCTG-GCAGCA
Poblunga	--ATAAGCTCGACTGGCTTGGGAGTTGCGAAC---CAGGCTA-GTAATCG
Idn2	--TCAAGCTGGCCGAGCCGAGTT--GCA-AGGGCTGAGCTG-GCAGGCG
CJ1_1	--TCAAGCTGGCCGAGCCCTCGTT--GCGTGGGCTGAGCTG-GCAGGCG
CR_1	--TCAAGCTGGCCGAGCCTTCGTT--GCATGGGCTGAGCTG-GCAGGCG
Pdidermoides	--ACAAGCTGGCCGAGTCTAGTT--GCG-GGGATTGAGCTAAGCAGTTG
UFF1	A-AATAACCGGGCTCGCTTCGTTTTT-GCGGGAGCAGAGCCTGGTAAACG
CJA3	--CTTCACCGGTCTTGCCCTAGTT--GCGGGGGC-TCGCTG-GTAAAG
Prigidum	G-GCA-ACCCAGCTCACCTTATTTT-GCGGGGGA-GAGACTGGTAGATG
C1	--TCTAACCGGCCGGGCTCTA-TT--GCGGGGGC-CCGGCTG-GTAGAAG
PpolycephalumWis1	A-ACGCACCGGGCTCGCCTTTTTTTTGCGGGGGC-GTACTCGGTAAAG
Sflavogenita	GGATGCGTCGGGTGG---TCTCGTAGCGGCTCCTCGCAATT-CCG

CUR1_4	CGATAGGGATGTTTCGAGGGTGACCGAATTGCCGGGCGAGTGGTGAAATAC
HA4_1	CGAAAGGGGTGTTTCGAGGGTGACCGAATTGCCGGGC-AGTGGTGAAATAC
CR19_1	CGATAGGGGTGTTTCGAGGGTGACCGAATTGCCGGGCGAGTGGTGAAATAC
Pan2	CGATAGGGGTGTTTCGAGGGTGACCGAATTGCCGGGCGAGTGGTGAAATAC
CR8_1	CGATAGGGGTGTTTCGAGGGTGACCGAATTGCCGGGCGAGTGGTGAAATAC
Fr_K7	CGATAGGGACGTTTCGAGGGTGACCGAATTGCTGGGCGAGTGGTGAAATAC
Fr_K15	CGATAGGGACGTTTCGAGGGTGACCGAATTGCTGGGCGAGTGGTGAAATAC
CR10	CGATAGGGGTGTTTCGAGGGTGACCGAATTGCCGGGCGAGTGGTGAAATAC
It_K61	CAAAGGGGTGTTTCGAGGGTGACCGAATTGCTGGGCGAGTGGTGAAATAC
Fr_K10	CAAAGGGGTGTTTCGAGGGTGACCGAATTGCTGGGCGAGTGGTGAAATAC
It_K66	CAAAGGGGTGTTTCGAGGGTGACCGAATTGCTGGGCGAGTGGTGAAATAC
Uk_K79	CAAAGGGGTGTTTCGAGGGTGACCGAATTGCTGGACGAGTGGTGAAATAC
Pr3_1	CAAAGGGGTGTTTCGAGGGGACCGAATTTCCGGGCGAGTGGTGAAATAC
It_K71	CGAAAGGGGTGTTTCGAGGGTGACCGAATTGCTGGGCGAGTGGTGAAATAC
Fr_K18	CGAAAGGGGTGTTTCGAGGGTGACCGAATTGCCGGGCGAGTGGTGAAATAC
Fr_K62	CGAAAGGGGTGTTTCGAGGGTGACCGAATTGCTGGGCGAGTGGTGAAATAC
No_K94	CGAAAGGGGTGTTTCGAGGGTGACCGAATTGCCGGGCGAGTGGTGAAATAC
Cur_1	CGAAAGGGATGTTTCGAGGGTGACCGAATTGCCGGGCGAGTGGTGAAATAC
Az4_1	CGAAAGGGATGTTTCGAGGGTGACCGAATTGCCGGGCGAGTGGTGAAATAC
PR_1	CGAAAGGGATGTTTCGAGGGTGACCGAATTGCCGGGCGAGTGGTGAAATAC
Butricularis	CGAAAGGGATGTTTCGAGGGTGACCGAATTGCCGGGCGAGTGGTGAAATAC
NY_1	GAAATAGGATGTTTCGAGGGTGACCGAATTGCTGGGCGAGTGGTGAAATAC
Poblunga	CGAAGAGGATGTTTCGAGGGTGACCGAATTGCCGGGCGAGCGGTGAAATGC
Idn2	CGAAAGGGATGTTTCGAGGGTGACCGAATTGCGAGGCGAGTGGTGAAATAC
CJ1_1	CGAAAGG-ATGTTTCGAGGGTGACCGAATTGCTTGGCGAGTGGTGAAATAC
CR_1	CGAAAGGGATGTTTCGAGGGTGACCGAATGCTTGGCGAGTGGTGAAATAC
Pdidermoides	CGAAAGGGATGTTTCGAGGGTGACCGAATTGCCGGGCGAGTGGTGAAATAC
UFF1	CGAAAGGGATGTTTCGAGGGTGACCGAATTGCTGGGCGAGTGGTGAAATAC
CJA3	CGAAAGGGATGTTTCGAGGGTGACCGAATTGCCGGGCGAGTGGTGAAATAC
Prigidum	CAATAGGGATGTTTCGAGGGTGACCGAATTGCTGGGCGAGTGGTGAAATAC
C1	CGAAAGGGATGTTTCGAGGGTGACCGAATTGCTGGGCGAGTGGTGAAATAC
PpolycephalumWis1	CGAAAGGGATGTTTCGAGGGTGACCGAATTGCTGGGCGAGTGGTGAAATAC
Sflavogenita	CGAAAGGGGTGTTTCGGGGCGAGCCGAATTGCCGGGCTAGTGGTGAAATAC
CUR1_4	GTTGACCCTGGCAAGTCGACCAAAGGCGAAAGCAGTCATCAAGGGCATA
HA4_1	GTTGACCCTGGCAAGTCGACCAAAGGCGAAAGCAGT-ATCAAGGGCACGC
CR19_1	GTTGACCCTGGCAAGTCGACCAAAGGCGAAAGCAGTTATCAAGGGCACAC
Pan2	GTTGACCCTGGCAAGTCGACCAAAGGCGAAAGCAGTCATCAAGGGCACAC
CR8_1	GTTGACCCTGGCAAGTCGACCAAAGGCGAAAGCAGTCATCAAGGGCACAC
Fr_K7	GTTGACCCTAGCAAGTCGACCAAAGGCGAAAGCAGTCATCAAGGGCATA
Fr_K15	GTTGACCCTAGCAAGTCGACCAAAGGCGAAAGCAGTCATCAAGGGCATA
CR10	GTTGACCCTGGCAAGTCGACCAAAGGCGAAAGCAGTCATCAAGGGCACGC
It_K61	GTTGACCCTAGCAAGTCGACCAAAGGCGAAAGCAGTCATCAAGGGCATTC
Fr_K10	GTTGACCCTAGCAAGTCGACCAAAGGCGAAAGCAGTCATCAAGGGCATTC
It_K66	GTTGACCCTGGCAAGTC-ACCAAAGGCGAAAGCAGTCATCAAGGGCATTC
Uk_K79	GTTGACCCTAGCAAGTCGACCAAAGGCGAAAGCAGTCATCAAGGGCATTC
Pr3_1	GTTGACCCTGGCAAGTCGACCAAAGGCGAAAGCAGTCCTCAAGGGCATTC
It_K71	GTTGACCCTAGCAAGTCGACCAAAGGCGAAAGCAGTCATCAAGGGCACAC
Fr_K18	GTTGACCCTGGCAAGTCGACCAAAGGCGAAAGCAGTCATCAAGGGCATTC
Fr_K62	GTTGACCCTAGCAAGTCGACCAAAGGCGAAAGCGGTTCATCAAGGGCACAC
No_K94	GTTGACCCTGGCAAGTCGACCAAAGGCGAAAGCAGTCATCAAGGGCACAC
Cur_1	GTTGACCCTGGCAAGTCGACCAAAGGCGAAAGCAGTCATCAAGGGCATA
Az4_1	GTTGACCCTGGCAAGTCGACCAAAGGCGAAAGCAGTCATCAAGGGCATA
PR_1	GTTGACCCTGGCAAGTCGACCAAAGGCGAAAGCAGTCATCAAGGGCATA
Butricularis	GTTGACCCTGGCAAGTCGACCAAAGGCGAAAGCAGTCATCAAGGGCATA
NY_1	GTTGACCCTAGCAAGTCGACCAAAGGCGAAAGCAGTCATCAAGGGCATA
Poblunga	GTTGACCCTGGCAAGTCGACCAAAGGCGAAAGCAGTCATCAAGGGCATA
Idn2	GTTGACCCTGCAAGTCGACCAAAGGCGAAAGCAGTCATCAAGGGCATGC
CJ1_1	GGTGACCCTAGCAAGTCGACCAAAGGCGAAAGCAGTCATCAAGGGCATGC
CR_1	GGTGACCCTA-CAAGTCGACCAAAGGCGAAAGCAGTCATCAAGGGCATGC
Pdidermoides	GTTGACCCTGGCAAGTCGACCAAAGGCGAAAGCAGTCATCAAGGGCATGC
UFF1	GGTGACCCTAGCAAGTCGACCAAAGGCGAAAGCAGTCATCAAGGGCATA
CJA3	GTTGACCCTGGCAAGTCGACCAAAGGCGAAAGCAGTCATCAAGGGCATA
Prigidum	GTTGACCCTAGCAAGTCGACCAATGGCGAAAGCAGTCATCAAGGGCATA
C1	GTTGACCCTAGCAAGTCGACCAAAGGCGAAAGCAGTCATCAAGGGCATA
PpolycephalumWis1	GTTGACCCTAGCAAGTCGACCAAAGGCGTAAGCAGTCATCAAGGGCATTC
Sflavogenita	GTTGACCCTGGCAAGTCGACCGAAA-CGAAAGCAGTGTCAAGGGCACAC

CUR1_4	CCGTTGATCAAGAGCGAAAGTTAAGGGTTCGAAGACGATCAGATACCGTC
HA4_1	CCGTTGATCAAGAGCGAAAGTTAAGGGTTCGAAGAC-ATCAGATACCGTC
CR19_1	CCGTTGATCAAGAGCGAAAGTTAAGGGTTCGAAGACGATCAGATACCGTC
Pan2	CCGTTGATCAAGAGCGAAAGTTAAGGGTTCGAAGACGATCAGATACCGTC
CR8_1	CCGTTGATCAAGAGCGAAAGTTAAGGGTTCGAAGACGATCAGATACCGTC
Fr_K7	CCGTTGATCAAGAGCGAAAGTTAAGGGTTCGAAGACGATCAGATACCGTC
Fr_K15	CCGTTGATCAAGAGCGAAAGTTAAGGGTTCGAAGACGATCAGATACCGTC
CR10	CCGTTGATCAAGAGCGAAAGTTAAGGGTTCGAAGACGATCAGATACCGTC
It_K61	CCGTTGATCAAGAGCGAAAGTTAAGGGTTCGAAGACGATCAGATACCGTC
Fr_K10	CCGTTGATCAAGAGCGAAAGTTAAGGGTTCGAAGACGATCAGATACCGTC
It_K66	CCGTTGATCAAGAGCGAAAGTTAAGGGTTCGAAGACGATCAGATACCGTC
Uk_K79	CCGTTGATCAAGAGCGAAAGTTAAGGGTTCGAAGACGATCAGATACCGTC
Pr3_1	CCGTTGATCAAGAGCGAAAGTTAAGGGTTCGAAGACGATCAGATACCGTC
It_K71	CCGTTGATCAAGAGCGAAAGTTAAGGGTTCGAAGACGATCAGATACCGTC
Fr_K18	CCGTTGATCAAGAGCGAAAGTTAAGGGTTCGAAGACGATCAGATACCGTC
Fr_K62	CCGTTGATCAAGAGCGAAAGTTAAGGGTTCGAAGACGATCAGATACCGTC
No_K94	CCGTTGATCAAGAGCGAAAGTTAAGGGTTCGAAGACGATCAGATACCGTC
Cur_1	CCGTTGATCAAGAGCGAAAGTTAAGGGTTCGAAGACGATCAGATACCGTC
Az4_1	CCGTTGATCAAGAGCGAAAGTTAAGGGTTCGAAGACGATCAGATACCGTC
PR_1	CCGTTGATCAAGAGCGAAAGTTAAGGGTTCGAAGACGATCAGATACCGTC
Butricularis	CCGTTGATCAAGAGCGAAAGTTAAGGGTTCGAAGACGATCAGATACCGTC
NY_1	CCGTTGATCAAGAGCGAAAGTTAAGGGTTCGAAGACGATCAGATACCGTC
Poblunga	CTGTGATCAAGAGCGAAAGTTAAGGGTTCGAAGACGATCAGATACCGTC
Idn2	CCGTTGATCAAGAGCGAAAGTTAAGGGTTCGAAGACGATCAGATACCGTC
CJ1_1	CCGTTGATCAAGAGCGAAAGTTAAGGGTTCGAAGACGATCAGATACCGTC
CR_1	CCGTTGATCAAGAGCGAAAGTTAAGGGTTCGAAGACGATCAGATACCGTC
Pdidermoides	CCGTTGATCAAGAGCGAAAGTTAAGGGTTCGAAGACGATCAGATACCGTC
UFF1	CCGTTGATCAAGAGCGAAAGTTAAGGGTTCGAAGACGATCAGATACCGTC
CJA3	CCGTTGATCAAGAGCGAAAGTTAAGGGTTCGAAGACGATCAGATACCGTC
Prigidum	CCGTTGATCAAGAGCGAAAGTTAAGGGTTCGAAGACGATCAGATACCGTC
C1	CCGTTGATCAAGAGCGAAAGTTAAGGGTTCGAAGACGATCAGATACCGTC
PpolycephalumWis1	CCGTTGATCAAGAGCGAAAGTTAAGGGTTCGAAGACGATCAGATACCGTC
Sflavogenita	CCGTTGATCAAGAGCGAAAGTTAAGGGTTCGAAGACGATCAGATACCGTC
CUR1_4	GTAGTCTTAACTATAAATGATACTGACCAGGGATAGGACTCTGTCCATCT
HA4_1	GTAGTCTTAACTATAAATGATACTGACCAGGGATAGGACTCTGTCCATCT
CR19_1	GTAGTCTTAACTATAAATGATACTGACCAGGGATTGGACCTGTCCATCT
Pan2	GTAGTCTTAACTATAAATGATACTGACCAGGGAT-AGACTCTGTCCATCT
CR8_1	GTAGTCTTAACTATAAATGATACTGACCAGGGAT-AGACTCTGTCCATCT
Fr_K7	GTAGTCTTAACTATAAATGATACTGACTAGGGATAGGACACCGTCCATCT
Fr_K15	GTAGTCTTAACTATAAATGATACTGACTAGGGATAGGACACCGTCCATCT
CR10	GTAGTCTTAACTATAAATGATACTGACCAGGGATAGGACTCTGTCCATCT
It_K61	GTAGTCTTAACTATAAATGATACTGACCAGAGATAGGATTCTGTCCATCT
Fr_K10	GTAGTCTTAACTATAAATGATACTGACCAGAGATAGGATTCTGTCCATCT
It_K66	GTAGTCTTAACTATAAATGATACTGACCAGAGATAGGATTCTGTCCATCT
Uk_K79	GTAGTCTTAACTATAAATGATACTGACCAGAGATAGGATTCTGTCCATCT
Pr3_1	GTAGTCTTAACTATAAATGATACTGACCAGAGATAGGATTCTGTCCATCT
It_K71	GTAGTCTTAACTATAAATGATACTGACCAGGGATAGGATACTGTCCATCT
Fr_K18	GTAGTCTTAACTATAAATGATACTGACCAGGGATAGGATACTGTCCATCT
Fr_K62	GTAGTCTTAACTATAAATGATACTGACCAGGGATAGGATACTGTCCATCT
No_K94	GTAGTCTTAACTATAAATGATACTGACCAGGGATAGGATACTGTCCATCT
Cur_1	GTAGTCTTAACTATAAATGATGCAAACCAGGGATAGGACACTGTCCATCT
Az4_1	GTAGTCTTAACTATAAATGATGCAAACCAGGGATAGGACACTGTCCATCT
PR_1	GTAGTCTTAACTATAAATGATGCAAACCAGGGATAGGACACTGTCCATCT
Butricularis	GTAGTCTTAACTATAAATGATGCAAACCAGGGATAGGACAGTGTCCATCT
NY_1	GTAGTCTTAACTATAAATGATACAGACTAGGGATAGGACACTGTCCATCT
Poblunga	GTAGTCTTGACTATAAACGATACAGACCAGGGATAGGACTCTGTCCATCC
Idn2	GTAGTCT-AACTATAAATGATACAAACCAGGGATGAGACACTGTCCATTC
CJ1_1	GTAGTCTTAACTATAAATGATACAAACCAGGGATGAGACACTGTCCATCT
CR_1	GTAGTCTTAACTATAAATGATACAAACCAGGGATGAGACACTGTCCATCT
Pdidermoides	GTAGTCTTAACTATAAATGATACAAACCAGGGATGAGACACTGTCCATCT
UFF1	GTAGTCTTAACTATAAACGATACAGACCAGGGATAGGACAGTGTCCATCT
CJA3	GTAGTCTTAACTATAAATGATGCAAACCAGGGATAGGACACTGTCCATCT
Prigidum	GTAGTCTTAACTATAAATGATGCAGACCAGGGATAGGACAGTGTCCATCT
C1	GTAGTCTTAACTATAAATGATGCAAACCAGAGATAGGACCTGTCCATCT
PpolycephalumWis1	GTAGTCTTAACTATAAATGATGCAGACCAGGGATAGGACAGTGTCCATCT
Sflavogenita	GTAGTCTTAACTATAAATGATACTGGCCAGGGATAGGGCAATGTCCATCT

CUR1_4	CGACTCCTTCTGGACCTTGGAGAAATTA-CAGTCTTTGAGTTCTGGGGGG
HA4_1	CGACTCCTCTGAACCTTGGAGAAATTA-CAGTCTTTGAGTTCTGGGGGG
CR19_1	CGACTCCTTCAAGACCTTGGAGAAATTA-CAGTCTTTGAGTTCTGGGGGG
Pan2	CGACTTCTTCTGGACCTTGGAGAAATTA-CAGTCTTTGAGTTCTGGGGGG
CR8_1	CGACTTCTTCTGGACCTTGGAGAAATTA-CAGTCTTTGAGTTCTGGGGGG
Fr_K7	CGACTCCTCTGGACCTTAGAGAAATCA-AAGTCTTTGAGTTCTGGGGGG
Fr_K15	CGACTCCTCTGAACCTTAGAGAAATCA-AAGTCTTTGAGTTCTGGGGGG
CR10	CGACTTCTCTGGACCTTAGAGAAATTA-CAGTCTTTGAGTTCTGGGGGG
It_K61	CGACTTCTCTGGATCTTTGAGAAATTA-TAGTCTTTGAGTTCTGGGGGG
Fr_K10	CGACTTCTCTGGATCTTAGGGAAACTA-TAGTCTTTGAGTTCTGGGGGG
It_K66	CGACTTCTCTGGATCTTAGGGAAACTA-TAGTCTTTGAGTTCTGGGGGG
Uk_K79	CGACTTCTCTGGATCTTAGGGAAACTA-TAGTCTTTGAGTTCTGGGGGG
Pr3_1	CGACTTCTCTGGATCTTAGGGAAACTA-GAGTCTTTGAGTTCTGGGGGG
It_K71	CGACTCTTCCCGAACCTTAGAGAAATCA-GAGTCTTTGAGTTCTGGGGGG
Fr_K18	CGACTCTTCCCGAACCTTAGAGAAATCA-GAGTCTTTGAGTTCTGGGGGG
Fr_K62	CGACTCTTCCCGAACCTTAGAGAAATCA-GAGTCTTTGAGTTCTGGGGGG
No_K94	CGACTCTTCCCGAACCTTAGAGAAATCA-CAGTCTTTGAGTTCTGGGGGG
Cur_1	CGACTCCTCTGGACCTTAGAGAAATTA-CAGTCTTTGGGTTCTGGGGGG
Az4_1	CGACTCCTCTGGACCTTATAGAAATCATCAGTCTTTGGGTTCTGGGGGG
PR_1	CGACTCCTCTGGACCTTAGAGAAATTA-CAGTCTTTGGGTTCTGGGGGG
Butricularis	CGACTCCTCCGAACCTTGGAGAAATTAC-AGTCTATGGGTTCTGGGGGG
NY_1	CGACTCCTCTGAATCTTTGAGAAATTACCAGTCTTTGGGTTCTGGGGGG
Poblonga	CGACTTCTCTGAATCTTGAAGAAATTACCAGTCTTTGGGTTCCGGGGGG
Idn2	CGACTCCTCTCGAACCTTAGAGAAATCA-GAGTCTTTGGGTTCTGGGGGG
CJ1_1	CGACTCCTTTCGAACCTTAGAGAAATCA-GAGTCTTTGGGTTCTGGGGGG
CR_1	CGACTCCTTTCGAACCTTAGAGAAATCA-GAGTCTTTGGGTTCTGGGGGG
Pdidermoides	CGACTCCTTTCGAACCTTAGAGAAATCA-GAGTCTTTGGGTTCTGGGGGG
UFF1	CGACTCCTCCCGACCTTGAAGAAATCATGAGTCTTTGGGTTCTGGGGGG
CJA3	CGACTCCTCTGGACCTTAGAGAAATTA-CAGTCTTTGGGTTCTGGGGGG
Prigidum	CGACTCCTCTGGACCTCGGAGAAATT-CGAGTCTTTGGGTTCTGGGGGG
C1	CGACTCCTTCTGGATCCTGGAGAAATTA-GAGTCTTTGGGTTCTGGGGGG
PpolycephalumWis1	CGACTCTTCC-GGACCTTGGAGAAATCACGAGTCTATGGGTTCTGGGGGG
Sflavogenita	CGACTCCCCCGACTTTTGGGAAACCA-AAGCCTATGAGTTCTGGGGGG
CUR1_4	AGTATGGTCGCAAGGCTGAAACTTAAAGGAATTGACGGAAGGGCACACAA
HA4_1	AGTATGGTCGCAAGGCTGAAACTTAAAGGAATTGACGGAAGGGCACACAA
CR19_1	AGTATGGTCGCAAGGCTGAAACTTAAAGGAATTGACGGAAGGGCACACAA
Pan2	AGTATGGTCGCAAGGCTGAAACTTAAAGGAATTGACGGAAGGGCACACAA
CR8_1	AGTATGGTCGCAAGGCTGAAACTTAAAGGAATT-----
Fr_K7	AGTATGGTCGCAAGGCTGAAACTTAAAGGAATTGACGGAAGGGCACACAA
Fr_K15	AGTATGGTCGCAAGGCTGAAACTTAAAGGAATTGACGGAAGGGCACACAA
CR10	AGTATGGTCGCAAGGCTGAAACTTAAAGGAATTGACGGAAGGGCACACAA
It_K61	AGTATGGTCGCAAGGCTGAAACTTAAAGGAATTGACGGAAGGGCACACAA
Fr_K10	AGTATGGTCGCAAGGCTGAAACTTAAAGGAATTGACGGAAGGGCACACAA
It_K66	AGTATGGTCGCAAGGCTGAAACTTAAAGGAATTGACGGAAGGGCACACAA
Uk_K79	AGTATGGTCGCAAGGCTGAAACTTAAAGGAATTGACGGAAGGGCACACAA
Pr3_1	AGTATGGTCGCAAGGCTGAAACTTAAAGGAATTGACGGAAGGGCACACAA
It_K71	AGTATGGTCGCAAGGCTGAAACTTAAAGGAATTGACGGAAGGGCACACAA
Fr_K18	AGTATGGTCGCAAGGCTGAAACTTAAAGGAATTGACGGAAGGGCACACAA
Fr_K62	AGTATGGTCGCAAGGCTGAAACTTAAAGGAATTGACGGAAGGGCACACAA
No_K94	AGTATGGTCGCAAGGCTGAAACTTAAAGGAATTGACGGAAGGGCACACAA
Cur_1	AGTATGGTCGCAAGGCTGAAACTTAAAGGAATTGACGGAAGGGCACACAA
Az4_1	AGTATGGTCGCAAGGCTGAAACTTAAAGGAATTGACGGAAGGGCACACAA
PR_1	AGTATGGTCGCAAGGCTGAAACTTAAAGGAATTGACGGAAGGGCACACAA
Butricularis	AGTATGGTCGCAAGGCTGAAACTTAAAGGAATTGACGGAAGGGCACACAA
NY_1	AGTATGGTCGCAAGGCTGAAACTTAAAGGAATTGACGGAAGGGCACACAA
Poblonga	AGTATGGTCGCAAGGCTGAAACTTAAAGGAATTGACGGAAGGGCACACAA
Idn2	AGTATGGTCGCAAGGCTGAAACTTAAAGGAATTGACGGAAGGGCACACAA
CJ1_1	AGTATGGTCGCAAGGCTGAAACTTAAAGGAATTGACGGAAGGGCACACAA
CR_1	AGTATGGTCGCAAGGCTGAAACTTAAAGGAATTGACGGAAGGGCACACAA
Pdidermoides	AGTATGGTCGCAAGGCTGAAACTTAAAGGAATTGACGGAAGGGCACACAA
UFF1	AGTATGGTCGCAAGGCTGAAACTTAAAGGAATTGACGGAAGGGCACACAA
CJA3	AGTATGGTCGCAAGGCTGAAACTTAAAGGAATTGACGGAAGGGCACACAA
Prigidum	AGTATGGTCGCAAGGCTGAAACTTAAAGGAATTGACGGAAGGGCACACAA
C1	AGTATGGTCGCAAGGCTGAAACTTAAAGGAATTGACGGAAGGGCACACAA
PpolycephalumWis1	AGTATGGTCGCAAGGCTGAAACTTAAAGGAATTGACGGAAGGGCACACAA
Sflavogenita	AGTATGGTCGCAAGGCTGAAACTTAAAGGAATTGACGGAAGGGCACACAA

CUR1_4	AGAGTGGAACCTGCGGCTTAATTTGACTCAACACGGGAAAACCTACCAGG
HA4_1	AGAGTGGAACCTGCGGCTTAATTTGACTCAACACGGGAAAACCTACCAGG
CR19_1	AGAGTGGAACCTGCGGCTTAATTTGACTCAACACGGGAAAACCTACCAGG
Pan2	AGAGTGGAACCTGCGGCTTAATTTGACTCAACACGGGAAAACCTACCAGG
CR8_1	-----AATTTGACTCAACACGGGAAAACCTACCAGG
Fr_K7	AGAGTGGAACCTGCGGCTTAATTTGACTCAACACGGGAAAACCTACCAGG
Fr_K15	AGAGTGGAACCTGCGGCTTAATTTGACTCAACACGGGAAAACCTACCAGG
CR10	AGAGTGGAACCTGCGGCTTAATTTGACTCAACACGGGAAAACCTACCAGG
It_K61	AGAGTGGAACCTGCGGCTTAATTTGACTCAACACGGGAAAACCTACCAGG
Fr_K10	AGAGTGGAACCTGCGGCTTAATTTGACTCAACACGGGAAAACCTACCAGG
It_K66	AGAGTGGAACCTGCGGCTTAATTTGACTCAACACGGGAAAACCTACCAGG
Uk_K79	AGAGTGGAACCTGCGGCTTAATTTGACTCAACACGGGAAAACCTACCAGG
Pr3_1	AGAGTGGAACCTGCGGCTTAATTTGACTCAACACGGGAAAACCTACCAGG
It_K71	AGAGTGGAACCTGCGGCTTAATTTGACTCAACACGGGAAAACCTACCAGG
Fr_K18	AGAGTGGAACCTGCGGCTTAATTTGACTCAACACGGGAAAACCTACCAGG
Fr_K62	AGAGTGGAACCTGCGGCTTAATTTGACTCAACACGGGAAAACCTACCAGG
No_K94	AGAGTGGAACCTGCGGCTTAATTTGACTCAACACGGGAAAACCTACCAGG
Cur_1	AGAGTGGAACCTGCGGCTTAATTTGACTCAACACGGGAAAACCTACCAGG
Az4_1	AGAGTGGAACCTGCGGCTTAATTTGACTCAACACGGGAAAACCTACCAGG
PR_1	AGAGTGGAACCTGCGGCTTAATTTGACTCAACACGGGAAAACCTACCAGG
Butricularis	AGAGTGGAACCTGCGGCTTAATTTGACTCAACACGGGAAAACCTACCAGG
NY_1	AGAGTGGAACCTGCGGCTTAATTTGACTCAACACGGGAAAACCTACCAGG
Poblunga	AGAGTGGAACCTGCGGCTTAATTTGACTCAACACGGGAAAACCTACCAGG
Idn2	AGAGTGGAACCTGCGGCTTAATTTGACTCAACACGGGAAAACCTACCAGG
CJ1_1	AGAGTGGAACCTGCGGCTTAATTTGACTCAACACGGGAAAACCTACCAGG
CR_1	AGAGTGGAACCTGCGGCTTAATTTGACTCAACACGGGAAAACCTACCAGG
Pdidermoides	AGAGTGGAACCTGCGGCTTAATTTGACTCAACACGGGAAAACCTACCAGG
UFF1	AGAGTGGAACCTGCGGCTTAATTTGACTCAACACGGGAAAACCTACCAGG
CJA3	AGAGTGGAACCTGCGGCTTAATTTGACTCAACACGGGAAAACCTACCAGG
Prigidum	AGAGTGGAACCTGCGGCTTAATTTGACTCAACACGGGAAAACCTACCAGG
C1	AGAGTGGAACCTGCGGCTTAATTTGACTCAACACGGGAAAACCTACCAGG
PpolycephalumWis1	AGAGTGGAACCTGCGGCTTAATTTGACTCAACACGGGAAAACCTACCAGG
Sflavogenita	AGAGTGGAACCTGCGGCTTAATTTGACTCAACACGGGAAAACCTACCAGG
CUR1_4	TCCAGATACACGTATGAAAGACAAGCTGAAAGACTTTTCTCAATGATGTA
HA4_1	TCCAGATACACGTATGAAAGACAAGCTGAAAGACTTTTCTCAATGATGTA
CR19_1	TCCAGATACACGTATGAAAGACAAGCTGAAAGACTTTTCTCAATGATGTA
Pan2	TCCAGATACACGTATGAAAGACAAGCTGAAAGACTTTTCTCAATGATGTA
CR8_1	TCCAGATACACGTATGAAAGACAAGCTGAAAGACTTTTCTCAATGATGTA
Fr_K7	TCCGATACACGTATGAAAGACAAGCTGAAAGACTTTTCTCAATGATGTA
Fr_K15	TCCGATACACGTATGAAAGACAAGCTGAAAGACTTTTCTCAATGATGTA
CR10	TCCAGATACACGTATGAAAGACAAGCTGAAAGACTTTTCTCAATGATGTA
It_K61	TCCGATACACGTATGAAAGACAAGCTGAAAGACTTTTCTCAATGATGTA
Fr_K10	TCCAGATACACGTATGAAAGACAAGCTGAAAGACTTTTCTCAATGATGTA
It_K66	TCCAGATACACGTATGAAAGACAAGCTGAAAGACTTTTCTCAATGATGTA
Uk_K79	TCCAGATACACGTATGAAAGACAAGCTGAAAGACTTTTCTCAATGATGTA
Pr3_1	TCCAGATACACGTATGAAAGACAAGCTGAAAGACTTTTCTCAATGATGTA
It_K71	TCCGATACACGTATGAAAGACAAGCTGAAAGACTTTTCTCAATGATGTA
Fr_K18	TCCGATACACGTATGAAAGACAAGCTGAAAGACTTTTCTCAATGATGTA
Fr_K62	TCCGATACACGTATGAAAGACAAGCTGAAAGACTTTTCTCAATGATGTA
No_K94	TCCAGATACACGTATGAAAGACAAGCTGAAAGACTTTTCTCAATGATGTA
Cur_1	TCCGATACACGTATGAAAGTCAAGCTGAAAGACTTTTACTCAATGATGTA
Az4_1	TCCGATACACGTATGAAAGTCAAGCTGAAAGACTTTTACTCAATGATGTA
PR_1	TCCGATACACGTATGAAAGTCAAGCTGAAAGCTTTTACTCAATGATGTA
Butricularis	TCCGATACACGTATGAAAGTCAAGCTGAAAGACTTTTACTCAATGATGTA
NY_1	TCCGATACACGTATGAAAGTCAAGCTGAAAGACTTTTACTCAATGATGTA
Poblunga	TCCAGATACACGTATGAAAGTCAAGCTGAAAGACTTTTACTCAATGATGTA
Idn2	TCCGATACACGTATGAAAGTCAAGCTGAAAGACTTTTACTCAATGATGTA
CJ1_1	TCCGATACACGTATGAAAGTCAAGCTGAAAGACTTTTACTCAATGATGTA
CR_1	TCCGATACACGTATGAAAGTCAAGCTGAAAGACTTTTACTCAATGATGTA
Pdidermoides	TCCGATACACGTATGAAAGTCAAGCTGAAAGACTTTTACTCAATGATGTA
UFF1	TCCAGATACACGTATGAAAGTCAAGCTGAAAGACTTTTACTCAATGATGTA
CJA3	TCCGATACACGTATGAAAGTCAAGCTGAAAGACTTTTACTCAATGATGTA
Prigidum	TCCGATACACGTATGAAAGTCAAGCTGAATGACTTTTACTCAATGATGTA
C1	TCCAGATACACGTATGAAAGTCAAGCTGAAAGACTTTTACTCAATGATGTA
PpolycephalumWis1	TCCGATACACGTATGAAAGTCAAGCTGAAAGACTTTTACTCAATGATGTA
Sflavogenita	TCCAGATACATGGATGAAAGACAAGCTGATAGACTTTTCTCAATTATGTA

CUR1_4	AGTGGTGGTGCATGGTCGTT-CTTAGTTCGTGGATTGATTTGTCTGGTCT
HA4_1	AGTGGTGGTGCATGGTCGTT-CTTAGTTCGTGGATTGATTTGTCTGGTCT
CR19_1	AGTGGTGGTGCATGGTCGTT-CTTAGTTCGTGGATTGATTTGTCTGGTCT
Pan2	AGTGGTGGTGCATGGTCGTT-CTTAGTTCGTGGATTGATTTGTCTGGTCT
CR8_1	AGTGGTGGTGCATGGTCGTT-CTTAGTTCGTGGATTGATTTGTCTGGTCT
Fr_K7	AGTGGTGGTGCATGGTCGTT-CTTAGTTCGTGGAGTGGTTTGTCTGGTTT
Fr_K15	AGTGGTGGTGCATGGTCGTT-CTTAGTTCGTGGAGTGGTTTGTCTGGTTT
CR10	AGTGGTGGTGCATGGTCGTT-CTTAGTTCGTGGATTGATTTGTCTGGTCT
It_K61	AGTGGTGGTGCATGGTCGTT-CTTAGTTCGTGGATTGATTTGTCTGGTCT
Fr_K10	AGTGGTGGTGCATGGTCGTT-CTTAGTTCGTGGATTGATTTGTCTGGTCT
It_K66	AGTGGTGGTGCATGGTCGTTCTTAGTTCGTGGATTGATTTGTCTGGTCT
Uk_K79	AGTGGTGGTGCATGGTCGTT-CTTAGTTCGTGGATTGATTTGTCTGGTCT
Pr3_1	AGTGGTGGTGCATGGTCNTT-CGTAGTTCGTGGATTGATTTGTCTGGTCT
It_K71	AGTGGTGGTGCATGGTCGTT-CTTAGTTCGTGGAGTGGTTTGTCTGGTCT
Fr_K18	AGTGGTGGTGCATGGTCGTT-CTTAGTTCGTGGAGTGGTTTGTCTGGTCT
Fr_K62	AGTGGTGGTGCATGGTCGTT-CTTAGTTCGTGGAGTGGTTTGTCTGGTCT
No_K94	AGTGGTGGTGCATGGTCGTT-CTTAGTTCGTGGAGTGGTTTGTCTGGTCT
Cur_1	AGTGGTGGTGCATGGTCGTTCT-TAGTTCGTGGATTGATTTGTCTGGTCT
Az4_1	AGTGGTGGTGCATGGTCGTTCT-TAGTTCGTGGATTGATTTGTCTGGTCT
PR_1	AGTGGTGGTGCATGGTCGTTCT-TAGTTCGTGGATTGATTTGTCTGGTCT
Butricularis	AGTGGTGGTGCATGGTCGTTCT-TAGTTCGTGGATTGATTTGTCTGGTCT
NY_1	AGTGGTGGTGCATGGTCGTTCT-TAGTTCGTGGATTGATTTGTCTGGTCT
Poblunga	AGTGGTGGTGCATGGTCGTTCT-TAGTTCGTGGATTGATTTGTCTGGTCT
Idn2	AGTGGTGGTGCATGGTCGTTCT-TAGTTCGTGGATTGATTTGTCTGGTCT
CJ1_1	AGTGGTGGTGCATGGTCGTTCT-TAGTTCGTGGATTGATTTGTCTGGTCT
CR_1	AGTGGTGGTGCATGGTCGTTCT-TAGTTCGTGGATTGATTTGTCTGGTCT
Pdidermoides	AGTGGTGGTGCATGGTCGTTCT-TAGTTCGTGGATTGATTTGTCTGGTCT
UFF1	AGTGGTGGTGCATGGTCGTTCT-TAGTTCGTGGATTGATTTGTCTGGTCT
CJA3	AGTGGTGGTGCATGGTCGTTCT-TAGTTCGTGGATTGATTTGTCTGGTCT
Prigidum	AGTGGTGGTGCATGGTCGTTCT-TAGTTCGTGGATTGATTTGTCTGGTCT
C1	AGTGGTGGTGCATGGTCGTTCT-TAGTTCGTGGATTGATTTGTCTGGTCT
PpolycephalumWis1	AGTGGTGGTGCATGGTCGTTCT-TAGTTCGTGGATTGATTTGTCTGGTCT
Sflavogenita	AGTGGTGGTGCATGGTCCGTT-CTTAGTTCGTGGAGTGGTTTGTCTGGTCT
CUR1_4	ATTCCGATAACGAGCGAGACCCCTACGTTCCCTAATAGGGGCGGCAGCCCG
HA4_1	ATTCCGATAACGAGCGAGACCCCGACGTTCCCTAATAGGGGTGGCAGCCCG
CR19_1	ATTCCGATAACGAGCGAGACCCCTACGTTCCCTACTAGGGGTGGCAGCCCG
Pan2	ATTCCGATAACGAGCGAGACCCCTACGTTCCCTAATAGGGGCGGCAGCCCG
CR8_1	ATTCCGATAACGAGCGAGACCCCTACGTTCCCTAATAGGGGCGGCAGCCCG
Fr_K7	ATTCCGATAACGAGCGAGACCCCGGCGTTCCCTAATAGGGGTGGCAGCCCG
Fr_K15	ATTCCGATAACGAGCGAGACCCCGGCGTTCCCTAATAGGGGTGGCAGCCCG
CR10	ATTCCGATAACGAGCGAGACCCCAACGTTCCCTAATAGGGGCGGCAGCCCG
It_K61	ATTCCGATAACGAGCGAGACCCCGGCGTTCCCTAATAGGGGTGGCAGCCCG
Fr_K10	ATTCCGATAACGAGCGAGACCCCTCCGTTCCCTACTAGGGGTGGCAGCCCG
It_K66	ATTCCGATAACGAGCGAGACCCCTCCGTTCCCTACTAGGGGTGGCAGCCCG
Uk_K79	ATTCCGATAACGAGCGAGACCCCTCCGTTCCCTACTAGGGGTGGCAGCCCG
Pr3_1	ATTCCGATAACGAGCGAGACCCCGGCGTTCCCTAATAGGGGCGGCAGCCCG
It_K71	ATTCCGATAACGA-----AG
Fr_K18	ATTCCGATAACGAGCGAGACCCCGGCGTTCCCTAATAGGGGCAGCAGCCCG
Fr_K62	ATTCCGATAACGAGCGAGACCCCGACGTTCCCTAATAGGGGCGGCAGCCCG
No_K94	ATTCCGATAACGAGCGAGACCCCGACGTTCCCTAATAGGGGTAGCAGCCCG
Cur_1	ATTCCGATAACGAGCGAGACCCCATCGTTCCCTAATAGGGGCGTTAGCCCG
Az4_1	ATTCCGATAACGAGCGAGACCCCATCGTTCCCTAATAGGGGCGTTAGCCCG
PR_1	ATTCCGATAACGAGCGAGACCCCATCGTTCCCTAATAGGGGCGTTAGCCCG
Butricularis	ATTCCGATAACGAGCGAGACCCCGGCGTTCCCTAATAGGGGCGGCAGCCAA
NY_1	ATTCCGATAACGAGCGAGACCCCGACGTTCCCTAGTAGGGCCAACAGCCCG
Poblunga	ATTCCGATAACGAGCGAGACCCCAACGTTCCCTAATAGGGGCGCAGCCCG
Idn2	ATTCCGATAACGAGCGAGACCCCAACGTTCCCTAATAGGAGCGTTAGCCCG
CJ1_1	ATTCCGATAACGAGCGAGACCCCAACGTTCCCTAATAGGGGTGTCGGCCCG
CR_1	ATTCCGATAACGAGCGAGACCCCAACGTTCCCTAATAGGGGTGTCGGCCCG
Pdidermoides	ATTCCGATAACGAGCGAGACCCCAACGTTCCCTAATAGGGGCTTAGCCCA
UFF1	ATTCCGATAACGAGCGAGACCCCGACGTTCCCTAATAGGGGCGGCAGCCAA
CJA3	ATTCCGATAACGAGCGAGACCCCATCGTTCCCTAATAGGGGCGTTAGCCCG
Prigidum	ATTCCGATAACGAGCGAGACCCCAACGTTCCCTAATAGGGGTGGCAGCCAA
C1	ATTCCGATAACGAGCGAGACCCCAACGTTCCCTAATAGGGGCGGTAGCCCG
PpolycephalumWis1	ATTCCGATAACGAGCGAGACCCCGGCGTTCCCTAATAGGGGTGGCAGCCAG
Sflavogenita	ATTCCGATAACGAGCGAGACCCCAACGTTCCCTAATAGGGGCGGCAGCCCG

CUR1_4	GCTTTCCCCCAGCA-GCCGCCTAATTAG----CTTCTTAGACG-TATCAG
HA4_1	GCTCGTCCCGAGCA-GCCGCCTAATTAG----CTTCTTAGACG-TATCAG
CR19_1	GCTTTACCAGAGCA-GCCACCTTTTATTAG--CTTCTTAGACG-TATCAG
Pan2	GCTTTGCCCTAGCA-GCCGCCTAATTAA----CTTCTTAGACG-TATCAG
CR8_1	GCTTTGCCCTAGCA-GCCGCCTAATTAA----CTTCTTAGACG-TATCAG
Fr_K7	GCTCGCGCTTAGCAGCCACCTCGCAATTG--CTTCTTAGACG-TATCAG
Fr_K15	GCTCGCGCTTAGCAGCCACCTCGCAATTG--CTTCTTAGACG-TATCAG
CR10	GCTCGCCTGTAGCA-GCCGCCTTATTAG----CTTCTTAGACG-TATCAG
It_K61	GCTCGTCCCTAGCA-GCCACTTAAGATGTA--CTTCTTAGACG-TATCAG
Fr_K10	GCTCGCGCCAGCA-GCTACTTAAGATTTA--CTTCTTAGACG-TATCAG
It_K66	GCTCGCACCCAGCA-GCTACTTAAGATTTA--CTTCTTAGACG-TATCAG
Uk_K79	GCTCGCGCCAGCA-GCTACTTAAGATTTA--CTTCTTAGACG-TATCAG
Pr3_1	GCTCGCCGCAAGCA-GCCGCTTAAGATTTA--CTTCTTAGACG-TATCAG
It_K71	GGTGTTCGTAGCA-GCCGCCTCACAATATG-CTTCTTAGACG-TATCAG
Fr_K18	GCTTTCGCCAGCAGCGTGCCTCACAATATG-CTTCTTAGACG-TATCAG
Fr_K62	GCTTTCGCCAGCA-GCCGCTCACAATATG-CTTCTTAGACG-TATCAG
No_K94	GCTCGGTTCGAGCC-GCTACCTCATAACAAG--CTTCTTAGACG-TATCAG
Cur_1	CCGTTCGAAAAGCT-TCCGCTTAAGATTAA--CTTCTTAGACG-TATCAG
Az4_1	CCGGTCGAAAAGCT-TCCGCTTAAGATTAA--CTTCTTAGACG-TATCAG
PR_1	CCGTTCGAAAAGCT-TCCGCTTAAGATTAA--CTTCTTAGACG-TATCAG
Butricularis	GCCGGTCGCAAGCTCGCCGCCTGAAGTTAT-CTTCTTAGACG-TATCAG
NY_1	ACTAGCCGCAAGCTGGCGGCTTAACATAAG--CTTCTTAGACG-TATCAG
Poblunga	GCTTGCCGCAAGC-AGTTGCCTAAGATTCA--CTTCTTAGACG-TATCAG
Idn2	GCGGTCGCAAGCT-ATCGCTTAA-GATTG-CTTCTTAGACG-TATCAG
CJ1_1	GCTTGCCCTGAGCC-TTCGCCTTAATGTATG-CTTCTTAGACG-TATCAG
CR_1	GCTTGCCCTGAGCC-TTCGCCTTAATGTATG-CTTCTTAGACG-TATCAG
Pdidermoides	GTGCGTCGCAAGCT-ATCGCTTAAAGATTG-CTTCTTAGACG-TATCAG
UFF1	GCCGGCCGCAAGCTCGCTGCTTAGAAGTTTACTTCTTAGACG-TATCAG
CJA3	GCCGTTCGAAAAGCT-TCCGCTTAAGATTAA--CTTCTTAGACG-TATCAG
Prigidum	GCCGGCCGCAAGCTCGCCGCCTGAAGTTTACTTCTTAGACG-TATCAG
C1	CTGCCGCAAGAGCT-GCTGCTTAAGATTG--CTTCTTAGACG-TATCAG
PpolycephalumWis1	ACCGGTCGCAAGCTCGCCACCTGAAGTTATG-CTTCTTAGACG-TATCAG
Sflavogenita	GCTCGGCTCGAGCAGCGCTTCGAAAGCAAGCTTCTTAGACG-GATCGG
CUR1_4	AGCCGATAAGGTTCTTGAAATGGGTTAATAACAGGTCAGTCATGCCCTTA
HA4_1	AGCCGATAAGGTTCTTGAAATGGGTTAATAACAGGTCAGTCATGCCCTTA
CR19_1	AGCCGATAAGGTTCTTGAAATGGGTTAATAACAGGTCAGTCATGCCCTTA
Pan2	AGCCGATAAGGTTCTTGAAATGGGTTAATAACAGGTCAGTCATGCCCTTA
CR8_1	AGCCGATAAGGTTCTTGAAATGGGTTAATAACAGGTCAGTCATGCCCTTA
Fr_K7	AGCCGATAAGGTTCTTGAAATGGGTTAATAACAGGTCAGTCATGCCCTTA
Fr_K15	AGCCGATAAGGTTCTTGAAATGGGTTAATAACAGGTCAGTCATGCCCTTA
CR10	AGCCGATAAGGTTCTTGAAATGGGTTAATAACAGGTCAGTCATGCCCTTA
It_K61	AGCCGATAAGGTTCTTGAAATGGGTTAATAACAGGTCAGTCATGCCCTTA
Fr_K10	AGCCGATAAGGTTCTTGAAATGGGTTAATAACAGGTCAGTCATGCCCTTA
It_K66	AGCCGATAAGGTTCTTGAAATGGGTTAATAACAGGTCAGTCATGCCCTTA
Uk_K79	AGCCGATAAGGTTCTTGAAATGGGTTAATAACAGGTCAGTCATGCCCTTA
Pr3_1	AGCCGATAAGGTTCTTGAAATGGGTTAATAACAGGTCAGTCATGCCCTTA
It_K71	AATCGAAAAGGTTCTTGAAATGGGTTAATAACAGGTCAGTCATGCCCTTA
Fr_K18	AGCCGATAAGGTTCTTGAAATGGGTTAATAACAGGTCAGTCATGCCCTTA
Fr_K62	AATCGAAAAGGTTCTTGAAATGGGTTAATAACAGGTCAGTCATGCCCTTA
No_K94	AGCCGATAAGGTTCTTGAAATGGGTTAATAACAGGTCAGTCATGCCCTTA
Cur_1	AGCCGATAAGGTTCTTGAAATGGGTTAATAACAGGTCAGTCATGCCCTTA
Az4_1	AGCCGATAAGGTTCTTGAAATGGGTTAATAACAGGTCAGTCATGCCCTTA
PR_1	AGCCGATAAGGTTCTTGAAATGGGTTAATAACAGGTCAGTCATGCCCTTA
Butricularis	AGCCGACAAGGTTCTTGAAATGGGTTAATAACAGGTCAGTCATGCCCTTA
NY_1	AGCCGATAAGGTTCTTGAAATGGGTTAATAACAGGTCAGTCATGCCCTTA
Poblunga	GGCCGATAAGGTCCTTGAAATGGGTTAATAACAGGTCAGTCATGCCCTTA
Idn2	AGCCGATAAGGCGCTTGAAATGGGTTAATAACAGGTCAGTGATGCCCTTA
CJ1_1	AGCCGATAAGGCGCTTGAAATGGGTTAATAACAGGTCAGTGATGCCCTTA
CR_1	AGCCGATAAGGCGCTTGAAATGGGTTAATAACAGGTCAGTGATGCCCTTA
Pdidermoides	AGCCGATAAGGCGCTTGAAATGGGTTAATAACAGGTCAGTGATGCCCTTA
UFF1	GGCCGATAAGGTCCTTGAAATGGGTTAATAACAGGTCAGTCATGCCCTTA
CJA3	AGCCGATAAGGTTCTTGAAATGGGTTAATAACAGGTCAGTCATGCCCTTA
Prigidum	AGCCGATAAGGTTCTTGAAATGGGTTAATAACAGGTCAGTCATGCCCTTA
C1	AGCCGATAAGGTTCTTGAAATGGGTTAATAACAGGTCAGTCATGCCCTTA
PpolycephalumWis1	AGCCGATAAGGTTCTTGAAATGGGTTAATAACAGGTCAGTCATGCCCTTA
Sflavogenita	GGCCGATAAGGTCCTTGAAATGGGTTAATAACAGGTCAGTCATGCCCTTA

CUR1_4	GATGTTCTGGGCCGCACGCGCGTTACAATGGTATACATTAGAACGTGCTC
HA4_1	GATGTTCTGGGCCGCACGCGCGTTACAATGGTATACATTAGAACGTGCTC
CR19_1	GATGTTCTGGGCCGCACGCGCGTTACAATGGTATACATTAGAACGTGCTC
Pan2	GATGTTCTGGGCCGCACGCGCGTTACAATGGTATACAGTAGAACGTGCCC
CR8_1	GATGTTCTGGGCCGCACGCGCGTTACAATGGTATACAGTAGAACGTGCCC
Fr_K7	GATGTTCTGGGCCGCACGCGCGTTACAATGGTAGGC-TTAAACAGTGCCT
Fr_K15	GATGTTCTGGGCCGCACGCGCGTTACAATGGTAGGC-TTAAACAGTGCCT
CR10	GATGTTCTGGGCCGCACGCGCGTTACAATGGTATACATTAGAACGTGCTC
It_K61	GATGTTCTGGGCCGCACGCGCGTTACAATGGCATGT-ATACATAGTGCCT
Fr_K10	GATGTTCTGGGCCGCACGCGCGTTACAATGGCATGA-ATAAAAAGTGCCT
It_K66	GATGTTCTGGGCCGCACGCGCGTTACAATGGCATGA-ATAAAAAGTGCCT
Uk_K79	GATGTTCTGGGCCGCACGCGCGTTACAATGGTATGA-ATAAAAAGTGCCT
Pr3_1	GATGTTCTGGGCCGCACGCGCGTTACAATGGCACGT-ATAGAAAGTGCCT
It_K71	GATGTTCTGGGCCGCACGCGCGTTACAATGGCATGCTTTAGAAAGTGCCT
Fr_K18	GATGTTCTGGGCCGCACGCGCGTTACAATGGCATGCTTTAGAAAGTGCCT
Fr_K62	GATGTTCTGGGCCGCACGCGCGTTACAATGGCATGCTTTAGAAAGTGCCT
No_K94	GATGTTCTGGGCCGCACGCGCGTTACAATGGCATG-TAAAGAAAGTGCCT
Cur_1	GATGTTCTGGGCCGCACGCGCGTTACAATGGCATGT-AAAGCGAGTGCCT
Az4_1	GATGTTCTGGGCCGCACGCGCGTTACAATGGCACGT-AAAGCGAGTGCCT
PR_1	GATGTTCTGGGCCGCACGCGCGTTACAATGGCATGT-AAAGCGAGTGCCT
Butricularis	GATGTTCTGGGCCGCACGCGCGTTACAATGGCACGT-ATACCGAGTGCCT
NY_1	GATGTTCTGGGCCGCACGCGCGTTACAATGGCATGT-AAAGCGAGTGCCT
Poblunga	GATGTTCTGGGCCGCACGCGCGTTACAATGGCACGT-T--GCAAAACGTG
Idn2	GATGTTCTGGGCCGCACGCGCGTTACAATGGCATGT-AAAGCGAGTGCCT
CJ1_1	GATGTTCTGGGCCGCACGCGCGTTACAATGGCACGT-AAAGCGAGTGCCT
CR_1	GATGTTCTGGGCCGCACGCGCGTTACAATGGCACGT-AAAGCGAGTGCCT
Pdidermoides	GATGTTCTGGGCCGCACGCGCGTTACAATGGCATGT-AAAACGAGTGCCT
UFF1	GATGTTCTGGGCCGCACGCGCGTTACAATAGCATGT-AAAACGNGTGCCT
CJA3	GATGTTCTGGGCCGCACGCGCGTTACAATGGCATGT-AAAGCGAGTGCCT
Prigidum	GATGTTCTGGGCCGCACGCGCGTTACAATGGCATGA-AAAATGAGTGCCT
C1	GATGTTCTGGGCCGCACGCGCGTTACAATGGCATGT-AAAGCAAGTGCCT
PpolycephalumWis1	GATGTTCTGGGCCGCACGCGCGTTACAATGGCATGT-AAAACGAGTGCCT
Sflavogenita	GATGTTCCGGGCCGCACGCGCGTTACAATGGGGGGC-AAAACGAGTGTCC
CUR1_4	TCAAGGCTTTTCCGCGGCCTACTGGCCGCGGTAATCCCTAGTCTCTCCCT
HA4_1	TCAAGGCGTTTCCGCGGCCGACGGGTCGCGGTAACCCCTAATCTCTCCCT
CR19_1	ACACGGCTTCTCCGCGGCCTACTGGTCGCGGTAATCCCTAATCTCTCCCT
Pan2	ATTCCGGCTTCTCCGCGGCCTACTGGC----GTAATCCTTAATCTCTCCCT
CR8_1	ATTCCGGCTTCTCCGCGGCCTACTGGC----GTAATCCTTAATCTCTCCCT
Fr_K7	TCTACGCGTTTCCGGGGCCGACGGGTCCCGGTAACCCCTAGTCTCTCCCT
Fr_K15	TTTACGCGTTTCCGGGGCCGACGGGTCCCGGTAACCCCTAGTCTCTCCCT
CR10	TTTAGGCGTCTCCACGGCCGACGGGTCTGGTAACCCCTAATCTCTCCCT
It_K61	AAAAGGCGTATCCGGGGCCTAACGGCTTCGGTAACCCCTAGTCCCTGCCT
Fr_K10	AAAAGGCGTATCCGGGGCCTACAGGCTCTGGTAACCCCTAGTCCCTGCCT
It_K66	AAAAGGCGTATCCGGGGCCTACAGGCTCTGGTAACCCCTAGTCCCTGCCT
Uk_K79	AAAAGGCGTATCCGGGGCCTACAGGCTCTGGTAACCCCTAGTCCCTGCCT
Pr3_1	ACTAAGCGTATCCGGGGCCTAACGGTCCCGGTAACCCCTAGTCCCTGCCT
It_K71	AAAAGGCGTATCCGCGGCCTACAGGTCTCGGTAACCCCTAGTCCCTGCCT
Fr_K18	AAAAGGCGTCTCCGCGGCCTACAGGCTCGGTAACCCCTAGTCCCTGCCT
Fr_K62	AAAAGGCGTATCCGCGGCCTACAGGTCTCGGTAACCCCTAGTCCCTGCCT
No_K94	ACAAGGCGTATCCGCGGCCTACGGGTCGCGGTAACCCCTAGTCCCTGCCT
Cur_1	GAAAAGCGTCTCCGGGGCCGAAAGGCCCTGGTAACCCCTAGTCCCTGCCT
Az4_1	GAAAAGCGTCTCCGGGGCCGAAAGGCCCTGGTAACCCCTAGTCCCTGCCT
PR_1	GAAAAGCGTCTCCGGGGCCGAAAGGCCCTGGTAACCCCTAGTCCCTGCCT
Butricularis	GAATAGCGTCCCCGGGGCCGAAAGGTCTCGGTAACCCCTAGTCCCTGCCT
NY_1	GTTAAGCATATCCGGGGCCGAAAGGTTCTGGTAACCATTAAGTCCCTGCCT
Poblunga	CCTTCGTTTCCCCCTCGGTCGAAAGGCCCTGGTAACCGCTAACCCCTTGCTA
Idn2	ATCCAGCTTTGCCGGGGCCGAAAGGCTTCGGTAATCCTTAATCCCTGCCT
CJ1_1	CTCCAGCTTTGCCGGGGCCGAAAGGTCCTGGTAATCCTTAATCCCTGCCT
CR_1	CTCCAGCTTTGCCGGGGCCGAAAGGTCCTGGTAATCCTTAATCCCTGCCT
Pdidermoides	CTCCAGCTTTGCCGGGGCCGAAAGGTCTCGGTAATCCTTAATCCCTGCCT
UFF1	GAATAGCGTCTCCGGGGCCGAAAGGTCCCGGTAACCCCTAGTCCCTGCCT
CJA3	GA-AAGCGTCTCCGGGGCCGAAAGGCCCTGGTAACCCCTAGTCCCTGCCT
Prigidum	GCATAGCGTCCCCTGGGCCGAAAGGTCTGGGTAACCCCTAGTCCCTGCCT
C1	TTCAAGCGTCTCCGGGGCCGAAAGGCTCCCGGTAACCCCTAGTCCCTGCCT
PpolycephalumWis1	GAACAGCGTCCC-ACGGCCGAAAGGTCTGGTAACCCCTAGTCCCTGCCT
Sflavogenita	GTCAGGCTTTTCCGCGGCCTACCGGTGGTGGTAACCCCTAGGGCCCCCT

CUR1_4	TGACTGGGCCAGACTATTGCAATTATTGGTCTCCAACGAGGAATTTTGTAG
HA4_1	TGACTGGGACAGACTATTGCAATTATTGGTCTCCAACGAGGAATTTTGTAG
CR19_1	TGACTGGGACAGACTATTGCAATTATTGGTCTCAAACGAGGAATTTTGTAG
Pan2	TGACTGGGACAGACTATTGCAATTATTGGTCTCCAACGAGGAATTTTGTAG
CR8_1	TGACTGGGACAGACTATTGCAATTATTGGTCTCCAACGAGGAATTTTGTAG
Fr_K7	TGACTGGGCCAGACTATTGCAATTATTGGTCTCAAACGAGGAATTTTGTAG
Fr_K15	TGACTGGGCCAGACTATTGCAATTATTGGTCTCAAACGAGGAATTTTGTAG
CR10	TGACTGGGACAGACTATTGCAATTATTGGTCTCCAACGAGGAATTTTGTAG
It_K61	TGACTGGGACAGACTATTGCAATTATTGGTCTCAAACGAGGAATTTTGTAG
Fr_K10	TGACTGGGACAGACTATTGCAATTATTGGTCTCAAACGAGGAATTTTGTAG
It_K66	TGACTGGGACAGACTATTGCAATTATTGGTCTCAAACGAGGAATTTTGTAG
Uk_K79	TGACTGGGACAGACTATTGCAATTATTGGTCTCAAACGAGGAATTTTGTAG
Pr3_1	TGACTGGGACAGACTATTGCAATTATTGGTCTCAAACGAGGAATTTTGTAG
It_K71	TGACTGGGACAGACTATTGCAATTATTGGTCTCAAACGAGGAATTTTGTAG
Fr_K18	TGACTGGGACAGACTATTGCAATTATTGGTCTCAAACGAGGAATTTTGTAG
Fr_K62	TGACTGGGACAGACTATTGCAATTATTGGTCTCAAACGAGGAATTTTGTAG
No_K94	TGACTGGGACAGACTATTGTAATTATTGGTCTCAAACGAGGAATTTTGTAG
Cur_1	TGACTGGGACAGATCATTGCAATTATTGGTCTCCAACGAGGAATTTT-AG
Az4_1	TGACTGGGACAGATCTTTGCAATTATTGGTCTCCAACGAGGAATTTTGTAG
PR_1	TGACTGGGACAGATCATTGCAATTATTGGTCTCCAACGAGGAATTTTGTAG
Butricularis	TGACTGGGACAGATCTTTGCAATTATTGGTCTCAAACGAGGAATTTTGTAG
NY_1	AGACTGGGACAGATCATTGCAATTATTGGTCTCAAACGAGGAATTTTGTAG
Poblunga	TGACTGGGATAGATCATTGCAATTATTGGTCTCAAACGAGGAATTTTGTAG
Idn2	TGACTGGGATAGATCATTGCAATTATTGGTCTCAAACGAGGAATTTTGTAG
CJ1_1	TGACTGGGATAGATCATTGCAATTATTGGTCTCCAACGAGGAATTTTGTAG
CR_1	TGACTGGGATAGATCATTGCAATTATTGGTCTCCAACGAGGAATTTTGTAG
Pdidermoides	TGACTGGGATAGATCATTGCAATTATTGGTCTCCAACGAGGAATTTTGTAG
UFF1	TGACTGGGACAGATCTTTGCAACTATTGGTCTCTAACGAGGAATTTTGTAG
CJA3	TGACTGGGACAGATCATTGCAATTATTGGTCTCCAACGAGGAATTTTGTAG
Prigidum	TGACTGGGACAGATCATTGCAATTATTGGTCTCAAACGAGGAATTTTGTAG
C1	TGACTGGGACAGATCTTTGCAATTATTGGTCTCAAACGAGGAATTTTGTAG
PpolycephalumWis1	TGACTGGGACAGATCTTTGCAATTATTGGTCTCAAACGAGGAATTTTGTAG
Sflavogenita	TGACTGGGCTAGTCTCTTGAATTATTGGTCTTCAAACGAGGAATTTTGTAG
CUR1_4	TAGTCGCAGGTCATTAACCTGCGACGAATGCGTCCCTGCCCTTTGTACAC
HA4_1	TAGTCGCAGGTCATTAACCTGCGACGAATGCGTCCCTGCCCTTTGTACAC
CR19_1	TAGTCGCAGGTCATTAACCTGCGGCGAATGCGTCCCTGCCCTTTGTACAC
Pan2	TAGTCGCAGGTCATTAACCTGCGACGAATGCGTCCCTGCCCTTTGTACAC
CR8_1	TAGTCGCAGGTCATTAACCTGCGACGAATGCGTCCCTGCCCTTTGTACAC
Fr_K7	TAATCGCAGGTCATTAACCTGCGATGAATGCGTCCCTGCCCTTTGTACAC
Fr_K15	TAATCGCAGGTCATTAACCTGCGATGAATGCGTCCCTGCCCTTTGTACAC
CR10	TAGTCGCAGGTCATTAACCTGCGACGAATGCGTCCCTGCCCTTTGTACAC
It_K61	TAGTCGTAGGTCATTAACCTGCGACGAATGCGTCCCTGCCCTTTGTACAC
Fr_K10	TAGTCGTAGGTCATTAACCTGCGACGAATGCGTCCCTGCCCTTTGTACAC
It_K66	TAGTCGTAGGTCATTAACCTGCGACGAATGCGTCCCTGCCCTTTGTACAC
Uk_K79	TAGTCGTAGGTCATTAACCTGCGACGAATGCGTCCCTGCCCT-----
Pr3_1	TAGTCGCAGGTCATTAACCTGCGACGAATGCGTCCCT-----TTGTACAC
It_K71	TAGTCGCAGGTCATTAACCTGCGACGAATGCGTCCCTGCCCTTTGTACAC
Fr_K18	TAGTCGCAGGTCATTAACCTGCGACGAATGCGTCCCTGCCCTTTGTACAC
Fr_K62	TAGTCGCAGGTCATTAACCTGCGACGAATGCGTCCCTGCCCTTTGTACAC
No_K94	TAGTCGCAGGTCATYAGCCTGCGACGAATGCGTCCCTGCCCTTTGTACAC
Cur_1	TAGTCGCAGGTCATTAACCTGCGACGAATGCGTCCCTGCCCTTTGTACAC
Az4_1	TAGTCGCAGGTCATTAACCTGCGACGAATGCGTCCCTGCCCTTTGTACAC
PR_1	TAGTCGCAGGTCATTAACCTGCGACGAATGCGTCCCTGCCCTTTGTACAC
Butricularis	TAATCGTAGGTCATTAACCTGCGTTGAATGCGTCCCTGCCCTTTGTACAC
NY_1	TAAGCATAGGTCATTAACCTTTGCTGAATGAGTCCCTGCCCTTTGTACAC
Poblunga	TAATCGCAGGTCATTAACCTGCGATGAATCTGTCCCTGCCCTTTGTACAC
Idn2	TAGGCGCAGGTCATTAACCTGCGTCGAATGCGTCCCTGCCCTTTGTACAC
CJ1_1	TAGGCGCAGGTCATTAACCTGCGTCGAATGCGTCCCTGCCCTTTGTACAC
CR_1	TAGGCGCAGGTCATTAACCTGCGTCGAATGCGTCCCTGCCCTTTGTACAC
Pdidermoides	TAGGCGCAGGTCATTAACCTGCGTCGAATGCGTCCCTGCCCTTTGTACAC
UFF1	TAATCGTAGGTCATTAACCTGCGTTGAATGCGTCCCTGCCCTTTGTACAC
CJA3	TAGTCGCAGGTCATTAACCTGCGACGAATGCGTCCCTGCCCTTTGTACAC
Prigidum	TAATCGTAGGTCATTAACCTGCGTTGAATGCGTCCCTGCCCTTTGTACAC
C1	TAGTCGTAGGTCATTAACCTACGACGAATGCGTCCCTGCCCTTTGTACAC
PpolycephalumWis1	TAATCGCAGGTCATTAACCTGCGTTGAATGCGTCCCTGCCCTTTGTACAC
Sflavogenita	TAGGCGGGGTCATTAACCCGTGCCGAATGCGTCCCTGCCCTTTGTACAC

CUR1_4	ACCGCCCGTCGCTGCTACCGATTGGGTTTTGCGGTTACGAGTTCGCAGGT
HA4_1	ACCGCCCGTCGCTGCTACCGATTGGGTTTTGCGGTTACGAGTTCANAGGC
CR19_1	ACCGCCCGTCGCTGCTACCGATTGGGTTTTGCGGTTACGAGTTCGGACGT
Pan2	ACCGCCCGTCGCTGCTACCGATTGGGTTTTGCGGTTACGAGTTCGGAGGC
CR8_1	ACCGCCCGTCGCTGCTACCGATTGGGTTTTGCGGTTACGAGTTCGGAGGC
Fr_K7	ACCGCCCGTCGCTGCTACCGATTGGGTTTTGCGGTTACGAGTTCGGAGGT
Fr_K15	ACCGCCCGTCGCTGCTACCGATTGGGTTTTGCGGTTACGAGTTCGGAGGT
CR10	ACCGCCCGTCGCTGCTACCGATTGGGTTTTGCGGTTACGAGTTCGGAGAC
It_K61	ACCGCCCGTCGCTGCTACCGATTGGGTTTTGCGGTTACGAGTTCAGAGGA
Fr_K10	ACCGCCCGTCGCTGCTACCGATTGGGTTTTGCGGTTACGAGTTCGGAAGA
It_K66	ACCGCCCGTCGCTGCTACCGATTGGGTTTTGCGGTTACGAGTTCGGAAGA
Uk_K79	-----GTCGCTGCTACCGATTAGGTTTTGCGGTTACGAGTTCGGAAGA
Pr3_1	ACCGCCCGTCGCTGCTACCGATTGGGTTTTGCGGTTACGCGTTCGGA-GA
It_K71	ACCGCCCGTCGCTGCTACCGATTGGGTCTGCGGTTACGAGTTCGGAGGC
Fr_K18	ACCGCCCGTCGCTGCTACCGATTGGGTCTGCGGTTACGAGTTCGGAGGC
Fr_K62	ACCGCCCGTCGCTGCTACCGATTGGGTCTGCGGTTACGAGTTCGGAGGC
No_K94	ACCGCCCGTCGCTGCTACCGATTGGGTTTTGCGGTTACGAGTTCGGAGGT
Cur_1	ACCGCCCGTCGCTGCTACCGATTGGGTTTCACAGTTACGTGTTTCGGAGGT
Az4_1	ACCGCCCGTCGCTGCTACCGATTGGGTTTCACAGTTACGTGTTTCGGAGGC
PR_1	ACCGCCCGTCGCTGCTACCGATTGGGTTTCACAGTTACGTGTTTCGGAGGT
Butricularis	ACCGCCCGTCGCTGCTACCGATTGGGTTTCACAGTTACGCGTTCGGAGGA
NY_1	ACCGCCCGTCGCTGCTACCGATTGGGTTTCACAGTTACGCGTTCGGAGGT
Poblonga	ACCGCCCGTCGCTGCTACCGATTGGGTTTCACAGTTACGCGTTCGGAGGT
Idn2	ACCGCCCGTCGCTGCTACCGATTGAATTTTCAGTTACGCGTTCGGAGCA
CJ1_1	ACCGCCCGTCGCTGCTACCGATTGAATTTTCAGTTACGCGTTCGGAGAA
CR_1	ACCGCCCGTCGCTGCTACCGATTGAATTTTCAGTTACGCGTTCGGAGAA
Pdidermoides	ACCGCCCGTCGCTGCTACCGATTGAATTTTCAGTTACGCGTTCAGAGCA
UFF1	ACCGCCCGTCGCTGCTACCGATTGGGTTTCGCGAGTTACGCGTTCGGAGGA
CJA3	ACCGCCCGTCGCTGCTACCGATTGGGTTTCACAGTTACGTGTTTCGGAGGT
Prigidum	ACCGCCCGTCGCTGCTACCGATTGGGTTTCACAGTTACGCGTTCAGAGGA
C1	ACCGCCCGTCGCTGCTACCGATTGGGTTTCACAGTTACGTGTTTCGGAGGC
PpolycephalumWis1	ACCGCCCGTCGCTGCTACCGATTGGGTTTCACAGTTACGCGTTCGGAGGA
Sflavogenita	ACCGCCCGTCGCTGCTACCGATTGGGTTTCGCGGTTACGTATTCGGAGAT
CUR1_4	CG-TGGTCATCG-C--CCGCAAGGGCGATGGC--TTGCAGCTGAAGTTC-
HA4_1	CG-TGGTTACCGCC--CTCA-CGGGTGGTGG--CCGTAGCTGAAGTTC-
CR19_1	GC-TGGTTATTGAC--CCGCAAGGGGCTTAGC--T-GCTGCCAAAGTTC-
Pan2	AG-CGGTTATCGCC--CCGCAAGGGCGATAGC--A-GCAGCCAAAGTTC-
CR8_1	AG-CGGTTATCGCC--CCGCAAGGGCGATAGC--A-GCAGCCAAAGTTC-
Fr_K7	CG-CGGCCCGCGCC--CCGCAAGGGGGTGGTGGCTGCAGCCGAAGTCC-
Fr_K15	CG-CGGCCCGCGCC--CCGCAAGGGGGTGGTGGCTGCAGCCGAAGTCC-
CR10	CG-TGGCTCCCGCC--TTCTTCGGGAGGTGGATACCGCGGTTCGAAGTTCA
It_K61	CG-CGGCTCCTGCCTGCCTTCGGGTAGGCAGTAAGTGTGACCAAAGTTC-
Fr_K10	TG-TGGCTCCTGCCTGCCTTCGGGTAGGTAGTAAGTATGACTAAAGTTC-
It_K66	TG-TGGCTCCTGCCTGCCTTCGGGTAGGTAGTAAGTATGACTAAAGTTC-
Uk_K79	TG-TGGCTCCTGCCTGCCTTCGGGTAGGTAGTAAGTATGACTAAAGTTC-
Pr3_1	CT-AGGCGTCTGTCTGCCTTCGGGTAGGTAGTAGCC-TGGGATAAGTTC-
It_K71	TGGTGGTGCCCGCTTGCCTCACGGTAGGCGGGYGCCCTCGG-TGAAGTTC-
Fr_K18	CGTCGGTGCCCGCTTGCCTCACGGTAGGCGGGCGCCATGGCCAAAGTTC-
Fr_K62	TGGTGGTGCCCGCTTGCCTCACGGTAGGCGGGTGCCCTCGGCTGAAGTTC-
No_K94	CG-TGGCTCCCGTTTGT-TCACG-CAGGCGGTAACCATAGCCAAAGTCC-
Cur_1	GACGGCCCCCGCTTGCCTCACGGCGGGCGGGAGCCGACGCCGAAGTTCC
Az4_1	GCTGGCCCCCGCTTGCTTCACGGTAGGCGGGAGCCGGTACCAAATCCA
PR_1	GACGGCCCCCGCTTGCCTCACGGCGGGCGGGAGCCGACGCCGAAGTTCC
Butricularis	TGGTGCTTTCGGGCC--TTCAC-GGG-TCCGGGGCATCGTCCGAAGTTCT
NY_1	TGTGG--TTCTGCTTGCC-TTCGGGTAGGTAGGCGCGTACTGAAGTTCT
Poblonga	CGTGGCTTTTGTCTTGCCCTTTGGGTAGGCATGACCGTGGCTGAAATTCT
Idn2	GGGGAGTACTGACCC-----GC-AAGGGTAGTCTCTCGGTAAAGTCCT
CJ1_1	TGGGGGGTCTGGCCC-----GC-AAGGGTAGCCTCCTGAGCAAAGTCCT
CR_1	TGGGGGGTCTGGCCC-----GC-AAGGGTAGCCTCCTGAGCAAAGTCCT
Pdidermoides	TGATGGTATCGACTC-----GC-AAGGGTTGGTCTATCGGGCAAAGTCCT
UFF1	TGGTGCCCTCGTGTCCCTTCACTGGGGTGGGGCGTCTGCCGAAGTTCT
CJA3	GACGGCCCCCGCTTGCCTCACGGCGGGCGGGAGCCGACGCCGAAGTTCC
Prigidum	TGGTGCTCTCGGGT---TTCAC-GA--CCTGGGGCGTCGACCGAAGTTCT
C1	CGTGGTTCCCTGTGCTCTCGGGTAGGCAGGTCCCGTAGCCGAAATTCN
PpolycephalumWis1	CGATGTTTTCGGGTC--TTAAC-GGGCTCCGGGGCGTCGGCCAAAGTTCT
Sflavogenita	TCTTTCAAC-TGCTG--CCGCAAGGGCGGGCGGCGACTGGGTCTAAGTCTA

CUR1_4	TAATTACCGCACGGCCTAGAGTAACTATGACTCTCTTAAGGTAGCCAAAT
HA4_1	TAATTACCGCACGGCCTAGAGTAACTATGACTCTCTTAAGGTAGCCAAAT
CR19_1	TAATTACCGCACGGCCTAGAGTAACTATGACTCTCTTAAGGTAGCCAAAT
Pan2	TAATTACCGCACGGCCTAGAGTAACTATGACTCTCTTAAGGTAGCCAAAT
CR8_1	TAATTACCGCACGGCCTAGAGTAACTATGACTCTCTTAAGGTAGCCAAAT
Fr_K7	TAATTACCGCACGGCCTAGAGTAACTATGACTCTCTTAAGGTAGCCAAAT
Fr_K15	TAATTACCGCACGGCCTAGAGTAACTATGACTCTCTTAAGGTAGCCAAAT
CR10	TAATTACCGCACGGCCTAGAGTAACTATGACTCTCTTAAGGTAGCCAAAT
It_K61	TAATTACCGCACGGCCTAGAGTAACTATGACTCTCTTAAGGTAGCCAAAT
Fr_K10	TAATTACCGCACGGCCTAGAGTAACTATGACTCTCTTAAGGTAGCCAAAT
It_K66	TAATTACCGCACGGCCTAGAGTAACTATGACTCTCTTAAGGTAGCCAAAT
Uk_K79	TAATTACCGCACGGCCTAGAGTAACTATGACTCTCTTAAGGTAGCCAAAT
Pr3_1	CAATTACCGCACGGTCTAGAGTAACTATGACTCTCTTAAGGTAGCCAAAT
It_K71	TAATTACCGCATGGCCTAGAGTAACTATGACTCTCTTAAGGTAGCCAAAT
Fr_K18	TAATTACCGCATGGCCTAGAGTAACTATGACTCTCTTAAGGTAGCCAAAT
Fr_K62	TAATTACCGCA-GGCCTAGAGTAACTATGACTCTCTTAAGGTAGCCAAAT
No_K94	TAATTACCGCACGGCCTAGAGTAACTATGACTCTCTTAAGGTAGCCAAAT
Cur_1	-AATTACTGTGCGGCCTAGAGTAACTATGACTCTCTTAAGGTAGCCAAAT
Az4_1	-AATTACTGTACGGCCTAGAGTAACTATGACTCTCTTAAGGTAGCCAAAT
PR_1	-AATTACTGTGCGGCCTAGAGTAACTATGACTCTCTTAAGGTAGCCAAAT
Butricularis	-AATTACTGTACGGCCTAGAGTAACTATGACTCTCTTAAGGTAGCCAAAT
NY_1	-AATTACTGTACGGCCTAGAGTAACTATGACTCTCTTAAGGTAGCCAAAT
Poblunga	-AATTACTGTACGGCCTAGAGTAACTATGACTCTCTTAAGGTAGCCAAAT
Idn2	-AATTACTGCACGGTTTAGAGTAACTATGACTCTCTTAAGGTAGCCAAAT
CJ1_1	-AATTACTGCACGGTTTAGAGTAACTATGACTCTCTTAAGGTAGCCAAAT
CR_1	-AATTACTGCACGGTTTAGAGTAACTATGACTCTCTTAAGGTAGCCAAAT
Pdidermoides	-AATTACTGCACGGTTTAGAGTAACTATGACTCTCTTAAGGTAGCCAAAT
UFF1	-AATTACTGCGCGCCTAGAGTAACTATGACTCTCTTAAGGTAGCCAAAT
CJA3	-AATTACTGTGCGGCCTAGAGTAACTATGACTCTCTTAAGGTAGCCAAAT
Prigidum	TAATTACTGTGCGGCCTAGAGTAACTATGACTCTCTTAAGGTAGCCAAAT
C1	-AATTACTGTACGGCCTAGAGTAACTATGACTCTCTTAAGGTAGCCAAAT
PpolycephalumWis1	-AATTACTGTACGGCCTAGAGTAACTATGACTCTCTTAAGGTAGCCAAAT
Sflavogenita	-AATTACCGCACGGCCTAGAGTAACTATGACTCTCTTAAGGTAGCCAAAT
CUR1_4	GCCTCGTCATTTAATTTGTGACGCGCATGAATGGATTAATGAGATTCCCA
HA4_1	GCCTCGTCATTTAATTTGTGACGCGCATGAATGGATTAATGAGATTCCCA
CR19_1	GCCTCGTCATTTAATTTGTGACGCGCATGAATGGATTAATGAGATTCCCA
Pan2	GCCTCGTCATTTAATTTGTGACGCGCATGAATGGATTAATGAGATTCCCA
CR8_1	GCCTCGTCATTTAATTTGTGACGCGCATGAATGGATTAATGAGATTCCCA
Fr_K7	GCCTCGTCATTTAATTTGTGACGCGCATGAATGGATTAATGAGATTCCCA
Fr_K15	GCCTCGTCAT--AATTTGTGACGCGCATGAATGGATTAATGAGATTCCCA
CR10	GCCTCGTCATTTAATTTGTGACGCGCATGAATGGATTAATGAGATTCCCA
It_K61	GCCTCGTCATTTAATTTGTGACGCGCATGAATGGATTAATGAGATTCCCA
Fr_K10	GCCTCGTCATTTAATTTGTGACGCGCATGAATGGATTAATGAGATTCCCA
It_K66	GCCTCGTCATTTAATTTGTGACGCGCATGAATGGATTAATGAGATTCCCA
Uk_K79	GCCTCGTCATTTAATTTGTGACGCGCATGAATGGATTAATGAGATTCCCA
Pr3_1	GCCTCGTCATTTAATTTGTGACGCGCATGAATGGATTAATGAGATTCCCA
It_K71	GCCTCGTCATTTAATTTGTGACGCGCATGAATGGATTAATGAGATTCCCA
Fr_K18	GCCTCGTCATTTAATTTGTGACGCGCATGAATGGATTAATGAGATTCCCA
Fr_K62	GCCTCGTCATTTAATTTGTGACGCGCATGAATGGATTAATGAGATTCCCA
No_K94	GCCTCGTCATTTAATTTGTGACGCGCATGAATGGATTAATGAGATTCCCA
Cur_1	GCCTCGTCATTTAATTTGTGACGCGCATGAATGGATTAATGAGATTCCCA
Az4_1	GCCTCGTCATTTAATTTGTGACGCGCATGAATGGATTAATGAGATTCCCA
PR_1	GCCTCGTCATTTAATTTGTGACGCGCATGAATGGATTAATGAGATTCCCA
Butricularis	GCCTCGTCATTTAATTTGTGACGCGCATGAATGGATTAATGAGATTCCCA
NY_1	GCCTCGTCATTTAATTTGTGACGCGCATGAATGGATTAATGAGATTCCCA
Poblunga	GCCTCGTCAT-----ACGCGCATGAATGGATTAATGAGATTCCCA
Idn2	GCCTCGTCATTTAATTTGTGACGCGCATGAATGGATTAATGAGATTCCCA
CJ1_1	GCCTCGTCAT--AATTTGTGACGCGCATGAATGGATTAATGAGATTCCCA
CR_1	GCCTCGTCATTTAATTTGTGACGCGCATGAATGGATTAATGAGATTCCCA
Pdidermoides	GCCTCGTCATT-AATTTGTGACGCGCATGAATGGATTAATGAGATTCCCA
UFF1	GCCTCGTCATTTAATTTGTGACGCGCATGAATGGATTAATGAGATTCCCA
CJA3	GCCTCGTCATTTAATTTGTGACGCGCATGAATGGATTAATGAGATTCCCA
Prigidum	GCCTCGTCATTTAATTTGTGACGCGCATGAATGGATTAATGAGATTCCCA
C1	GCCTCGTCAT--AATTTGTGACGCGCATGAATGGATTAATGAGATTCCCA
PpolycephalumWis1	GCCTCGTCATTTAATTTGTGACGCGCATGAATGGATTAATGAGATTCCCA
Sflavogenita	GCCTCGTCAT-TAATTTGTGACGCGCATGAATGGATTAATGAGATTCCCA

CUR1_4	CTGTCCCTACCTACTATCTAGCGAAACCACAGCCAAGGGAACGGGCTTGG
HA4_1	CTGTCCCTACCTACTATCTAGCGAAACCACAGCCAAGGGAACGGGCTTGG
CR19_1	CTGTCCCTACCTACTATCTAGCGAAACCACAGCCAAGGGAACGGGCTTGG
Pan2	CTGTCCCTACCTACTATCTAGCGAAACCACAGCCAAGGGAACGGGCTTGG
CR8_1	CTGTCCCTACCTACTATCTAGCGAAACCACAGCCAAGGGAACGGGCTTGG
Fr_K7	CTGTCCCTACCTACTATCTAGCGAAACCACAGCCAAGGGAACGGGCTTGG
Fr_K15	CTGTCCCTACCTACTATCTAGCGAAACCACAGCCAAGGGAACGGGCTTGG
CR10	CTGTCCCTACCTACTATCTAGCGAAACCACAGCCAAGGGAACGGGCTTGG
It_K61	CTGTCCCTACCTACTATCTAGCGAAACCACAGCCAAGGGAACGGGCTTGG
Fr_K10	CTGTCCCTACCTACTATCTAGCGAAACCACAGCCAAGGGAACGGGCTTGG
It_K66	CTGTCCCTACCTACTATCTAGCGAAACCACAGCCAAGGGAACGGGCTTGG
Uk_K79	CTGTCCCTACCTACTATCTAGCGAAACCACAGCCAAGGGAACGGGCTTGA
Pr3_1	CTGTCCCTACCTACTATCTAGCGAAACCACAGCCAAGGGAACGGGCTTGG
It_K71	CTGTCCCTACCTACTATCTAGCGAAACCACAGCCAAGGGAACGGGCTTGG
Fr_K18	CTGTCCCTACCTACTATCTAGCGAAACCACAGCCAAGGGAACGGGCTTGG
Fr_K62	CTGTCCCTACCTACTATCTAGCGAAACCACAGCCAAGGGAACGGGCTTGG
No_K94	CTGTCCCTACCTACTATCTAGCGAAACCACAGCCAAGGGAACGGGCTTGG
Cur_1	CTGTCCCTACCTACTATCTAGCGAAACCACAGCCAAGGGAACGGGCTTGG
Az4_1	CTGTCCCTACCTACTATCTAGCGAAACCACAGTCAAGGGAACGGTCTTGA
PR_1	CTGTCCCTACCTACTATCTAGCGAAACCACAGCCAAGGGAACGGGCTTGG
Butricularis	CTGTCCCTACCTACTATCTAGCGAAACCACAGCCAAGGGAACGGGCTTGG
NY_1	CTGTCCCTACCTACTATCTAGCGAAACCACAGCCAAGGGAACGGGCTTGG
Poblunga	CTGTCCCTACCTACTATCTAGCGAAACCACAGCCAAGGGAACGGGCTTGG
Idn2	CTGTCCCTACCTACTATCTAGCGAAACCACAGCCAAGGGAACGGGCTTGG
CJ1_1	CTGTCCCTACCTACTATCTAGCGAAACCACAGTCAAGGGAACGGGCTTGA
CR_1	CTGTCCCTACCTACTATCTAGCGAAACCACAGTCAAGGGAACGGGCTTGA
Pdidermoides	CTGTCCCTACCTACTATCTAGCGAAACCACAGCCAAGGGAACGGGCTTGG
UFF1	CTGTCCCTACCTACTATCTAGCGAAACCACAGCCAAGGGAACGGGCTTGG
CJA3	CTGTCCCTACCTACTATCTAGCGAAACCACAGCCAAGGGAACGGGCTTGG
Prigidum	CTGTCCCTACCTACTATCTAGCGAAACCACAGCCAAGGGAACGGGCTTGG
C1	CTGTCCCTACCTACTATCTAGCGAAACCACAGCCAAGGGAACGGGCTTGG
PpolycephalumWis1	CTGTCCCTACCTACTATCTAGCGAAACCACAGCCAAGGGAACGGGCTTGG
Sflavogenita	CTGTCCCTACCTACTATCTAGCGAAACCACAGCCAAGGGAACGGGCTTGG
CUR1_4	CACAATTAGCGGGGAAAGAAGACCCTGTTGAGCTTGACTCTAGGCACAAA
HA4_1	CACAATTAGCGGGGAAAGAAGACCCTGTTGAGCTTGACTCTAGGCACAAA
CR19_1	CACAATTAGCGGGGAAAGAAGACCCTGTTGAGCTTGACTCTAGGCACAAA
Pan2	CACAATTAGCGGGGAAAGAAGACCCTGTTGAGCTTGACTCTAGGCACAAA
CR8_1	CACAATTAGCGGGGAAAGAAGACCCTGTTGAGCTTGACTCTAGGCACAAA
Fr_K7	CCCAATTAGCGGGGAAAGAAGACCCTGTTGAGCTTGACTCTAGGCACAGA
Fr_K15	CCCAATTAGCGGGGAAAGAAGACCCTGTTGAGCTTGACTCTAGGCACAGA
CR10	CACAATTAGCGGGGAAAGAAGACCCTGTTGAGCTTGACTCTAGGCACAAA
It_K61	CACAATTAGCGGGGAAAGAAGACCCTGTTGAGCTTGACTCTAGGCACAGA
Fr_K10	CACAATTAGCGGGGAAAGAAGACCCT-TTGAGCTTGACTCTAGGCACAGA
It_K66	CACAATTAGCGGGGAAAGAAGACCCTGTTGAGCTTGACTCTAGGCACAGA
Uk_K79	CACAATTAGCGGGGAAAGAAGACCCTGTTGAGCTTGACTCTAGGCACAGA
Pr3_1	CACAATTAGCGGGGAAAGAAGACCCTGTTGAGCTTGACTCTAGGCACAGA
It_K71	CACAATTAGCGGGGAAAGAAGACCCTGTTGAGCTTGACTCTAGGCACAGA
Fr_K18	CACAATTAGCGGGGAAAGAAGACCCTGTTGAGCTTGACTCTAGGCACAGA
Fr_K62	CACAATTAGCGGGGAAAGAAGACCCTGTTGAGCTTGACTCTAGGCACAGA
No_K94	CACAATTAGCGGGGAAAGAAGACCCTGTTGAGCTTGACTCTAGGCACAAA
Cur_1	CACAATTAGCGGGGAAAGAAGACCCTGTTGAGCTTGACTCTAGGCACAGA
Az4_1	CACAATTTGCGGGGAAAGAAGACCCTGTTGAGCTTGACTCTAGGCATAGA
PR_1	CACAATTAGCGGGGAAAGAAGACCCTGTTGAGCTTGACTCTAGGCACAGA
Butricularis	CACAATTAGCGGGGAAAGAAGACCCTGTTGAGCTTGACTCTAGGCATAGA
NY_1	CACAATTAGCGGGGAAAGAAGACCCTGTTGAGCTTGACTCTAGGCACAGA
Poblunga	CACAATTAGCGGGGAAAGAAGACCCTGTTGAGCTTGACTCTAGGCACAAA
Idn2	CACAATTAGCGGGGAAAGAAGACCCTGTTGAGCTTGACTCTAGGCATAGA
CJ1_1	CACAATTAGCAGGGGAAAGAAGACCCTGTTGAGCTTGACTCTAGGCATAGA
CR_1	CACAATTAGCGGGGAAAGAAGACCCTCTTAATCTTGACTCTAGGCATAGA
Pdidermoides	CACAATTAGCGGGGAAAGAAGACCCTGTTGAGCTTGAGTCTAGGCATAGA
UFF1	CACAATTAGCGGGGAAAGAAGACCCTGTTGAGCTTGACTCTAGGCATAGA
CJA3	CACAATTAGCGGGGAAAGAAGACCCTGTTGAGCTTGACTCTAGGCACAGA
Prigidum	CACAATTAGCGGGGAAAGAAGACCCTGTTGAGCTTGACTCTAGGCATAGA
C1	CACAATTAGCGGGGAAAGAAGACCCTGTTGAGCTTGACTCTAGGCACAAA
PpolycephalumWis1	CACAATTAGCGGGGAAAGAAGACCCTGTTGAGCTTGACTCTAGGCATAGA
Sflavogenita	CACAATTAGC-GGGAAAGAAGACCCTGTTGAGCTTGACTCTAGGCACAGA

CUR1_4	CGCGAGGTGATTCTAAAGGTGTAGCATAGGTGGGAGGGCCTGGCCCGACC
HA4_1	CGCGAGGTGATTCTAAAGGTGTAGCATAGGTGGGAGGGCCTGGCCCGACC
CR19_1	CGCGAGGTGATTCTAAAGGTGTAGCATAGGTGGGAGGACCTGGTCCGACC
Pan2	CGCGAGGTGATTCTAAAGGTGTAGCATAGGTGGGAGG-CCTGGCCCGACC
CR8_1	CGCGAGGTGATTCTAAAGGTGTAGCATAGGTGGGAGG-CCTGGCCCGACC
Fr_K7	AGCGAGGTGATTCTAAAGGTGTAGCATAGGTGGGAGGGCCTGGCCCGACC
Fr_K15	AGCGAGGTGATTCTAAAGGTGTAGCATAGGTGGGAGGGCCTGGCCCGACC
CR10	AGCGAGGTGATTCTAAAGGCGTAGCATAGGTGGGAGGACCTGGTCCGACC
It_K61	AGCGAGGTGATTCTAAAGGTGTAGCATAGGTGGGAGGGCCTGGCCCGACC
Fr_K10	AGCGAGGTGATTCTAAAGGTGTAGCATAGGTGGGAGGGCCTGGCCCGACC
It_K66	AGCGAGGTGATTCTAAAGGTGTAGCATAGGTGGGAGGGCCTGGCCCGACC
Uk_K79	AGCGAGGTGATTCTAAAGGTGTAGCATAGGTGGGAGGGCCTGGCCCGACC
Pr3_1	AGCGAGGTGATTCTAAAGGTGTAGCATAGGTGGGAGGGCCTGGCCCGACC
It_K71	AGCGAGGTGATTCTAAAGGTGTAGCATAGGTGGGAGGACCTGGTCCGCCC
Fr_K18	AGCGAGGTGATTCTAAAGGTGTAGCATAGGTGGGAGGACCTGGTCCGCCC
Fr_K62	AGCGAGGTGATTCTAAAGGTGTAGCATAGGTGGGAGGACCTGGTCCGCCC
No_K94	AGCGAGGTGATTCTAAAGGTGTAGCATAGGTGGGAGGGCCTGGCCCGACC
Cur_1	CGCGAGGTGATTCTAAAGGTGTAGCATAGGTGGGAGGGCCCAGCCCGACC
Az4_1	CGCGAGGTGATTCTAAAGGTGTAGCATAGGTGGGAGGGCCCAGCCCGATC
PR_1	CGCGAGGTGATTCTAAAGGTGTAGCATAGGTGGGAGGGCCCAGCCCGACC
Butricularis	AGCGAGGTGATTCTAAAGGTGTAGCATAGGTGGGAGGGTCCATCCCGACA
NY_1	AGCGAGGTGATTCTAAAGGTGTAGCATAGGTGGGAGGGCCCAG-CCGTCC
Poblonga	CGCGAGGTGATTCTAAAGGTGTAGCATAGGTGGGAGGGCCCATCCCGACC
Idn2	CGCGAGGTGATTCTAAAGGTGTAGCATAGGTGGGAGGGCCCAGCCCGATC
CJ1_1	CGCGAGGTGATTCTAAAGGTGTAGCATAGGTGGGAGGGCCCAGCCCGATC
CR_1	CGCCAGGTGATTCTAAAGGTGTAGCATAGGTGGGAGGGCCCAGCCCGATC
Pdidermoides	CGCGAGGTGATTCTAAAGGTGTAGCATAGGTGGGAGGGCCCAGATC----
UFF1	AGCGAGGTGATTCTAAAGGTGTAGCATAGGTGGGAGGACACATCTCGCCA
CJA3	CGCGAGGTGATTCTAAAGGTGTAGCATAGGTGGGAGGGCCCAGCCCGACC
Prigidum	CGCGAGGTGATTCTAAAGGTGTAGCATAGGTGGGAGGGCCCCTCCCGTCC
C1	CGCGAGGTGATTCTAAAGGTGTAGCATAGGTGGGAGGGCACAGCCCGACC
PpolycephalumWis1	CGCGAGGTGATTCTAAAGGTGTAGCATAGGTGGGAGGGCCCATCCCGTCA
Sflavogenita	TGCGAGGTGATTCTAAAGGTGTAGCATAG-CGGGAGGGCTCTCTCCGACC
CUR1_4	TTGAAATACCACCACCTTTTCGACATTGCCTTGCTAATGCTGTAACAAATGG
HA4_1	TTGAAATACCACCACCTTTTCGACATTGCTTTGCTAATGCTGTAATGAATGA
CR19_1	TTGAAATACCACCACCTTTTCGACATTGCCTTGCTAATGCTGTAATAAGTGA
Pan2	TTGAAATACCACCACCTTTTCGACATTGCCTTGCTAATGCTGTAATAAGTAA
CR8_1	TTGAAATACCACCACCTTTTCGACATTGCCTTGCTAATGCTGTAATAAGTAA
Fr_K7	TTGAAATACCACCACCTTTTCGACATCGCTTTGCTAATGCTGTAACGAATGG
Fr_K15	TTGAAATACCACCACCTTTTCGACATCGCTTTGCTAATGCTGTAACGAATGG
CR10	CTGAAATACCACCACCTTTTCGACATTGCCTTGCTAATGCTGTAACGAATGA
It_K61	TTGAAATACCACCACCTTTTCGACATCGCTTTGCTAATGCTGTAACGAACGA
Fr_K10	TTGAAATACCACCACCTTTTCGACATCGCTTTGCTAATGCTGTAACGAACGA
It_K66	TTGAAATACCACCTACTTTTCGACATCGCTTTGCTAATGCTGTAACGAACGA
Uk_K79	TTGAAATACCACCACCTTTTCGACATCGCTTTGCTAATGCTGTAACGAACGA
Pr3_1	TTGAAATACCACCACCTTTGAGACATTGCTTTGCTAATGCTGTAACGAACGA
It_K71	TTGAAATACCACCACCTTTTCGACATTGCTTTGCTAATGCTGTAACGAACGA
Fr_K18	TTGAA-TACCACCACCTTTTCGACATTGCTTTGCTAATGCTGTAACGAACGA
Fr_K62	TTGAAATACCACCACCTTTTCGACATTGCTTTGCTAATGCTGTAACGAACGA
No_K94	TTGAAATACCACCACCTTTTCGACATTGCTTTGCTAATGCTGTAACGAACGA
Cur_1	TTGAAATACCACCACCTTTTCGACATCGCTTTGCTAATGCTGTAACGAACGA
Az4_1	CTGAAATACCACCACCTTTTCGACATCGCTTTGCTAATGCTGTAACGAATGA
PR_1	TTGAAATACCACCACCTTTTCGACATCGCTTTGCTAATGCTGTAACGAACGA
Butricularis	ATGAAATACCACCACCTTTTCGACATCGCTTTGCTAATGCTGTAACGAACGA
NY_1	ATGAAATACCACCACCTTTTCGACATTGCTTTGCTAATGCTGTAACGAACGA
Poblonga	TTGAAATACCACCACCTTTAGACATTGCTTTGCTAATGCTGTAACGAATGA
Idn2	CTGAAATACCACCACCTTTTCGACATCGCTTTGCTAATGCTGTAACGAATGA
CJ1_1	CTGAAATACCACCACCTTTTCGACATCGCTTTGCTAATGCTGTAACGAATGA
CR_1	CTGAAATACCACCACCTTTTCGACATCGCTTTGCTAATGCTGTAACGAATGA
Pdidermoides	CTGAAATACCACCACCTTTTCGACATCGCTTTGCTAATGCTGTAACGAATGA
UFF1	ATGAAATACCACCACCTTTTCGATATTGCTTTGCTAATGCTGTAACGAACGA
CJA3	TTGAAATACCACCACCTTTTCGACATCGCTTTGCTAATGCTGTAACGAACGA
Prigidum	ATGAAATACCACCACCTTTTCGACATCGCTTTGCTAATGCTGTAACGAACGA
C1	TTGAAATACCACCACCTTTTCGACATTGCTTTGCTAATGCTGTAACGAACAA
PpolycephalumWis1	ATGAAATACCACCACCTTTTCGACATCGCTTTGCTAATGCTGTAACGAACGA
Sflavogenita	CTGAAATACCGCCACCTTTTCGACATTGCTTTGCTAATGCTGTAACGAACGA

CUR1_4	ACGGTCCCCCTTCGTGTCGGCTCCTCACGGTAAGATCATGTTCTGGCGTT
HA4_1	ACGACCCCTATCGTGTCCGGTGCCTTCGGTAAGGTTATATTCTGGATTT
CR19_1	ACGGCCCCCTTCTCGTTGGCTCCTCGGGTAAGGCTATGTTCTGGCGTT
Pan2	ACGACCCCTTCGTGTCGGCTTCACGGGTACGGTCATGTTCTGGCGTT
CR8_1	ACGACCCCTTCGTGTCGGCTTCACGGGTACGGTCATGTTCTGGCGTT
Fr_K7	ACGGCCCCCGATGACTCGGTTGCCTCCGGTAAGGCTTCTTTCTGGTGAT
Fr_K15	ACGGCCCCCGATGACTCGGTTGCCTCCGGTAAGGCTTCTTTCTGGTGAT
CR10	ACGGCCCCCTGTTTGTGTCGCTCACGGGGTAAGGTCATATTCTGGTGTT
It_K61	ACGGCCCCCGGGCCGCTACCCGCAAGGGGTAAGGTCATATTCTAGCGCT
Fr_K10	ACGACCCCCAGGACCGTTGCCCGCAAGGGGTAAGGTCATATTCTAGCGCT
It_K66	ACGACCCCCAGGACCGTTGCCCGCAAGGGGTAAGGTCATATTCTAGCGCT
Uk_K79	ACGACCCCCAGGACCGTTGCCCGCAAGGGGTAAGGTCATATTCTAGCGCT
Pr3_1	ACGGCCCCCGGGCCGCTACCCGCAAGGGGTAAGGTCATATTCTAGCGCT
It_K71	ACGGCCCCCGGGCCGCTTGGGCCCAAGGGTAAGGTCATATTCTAGCGCT
Fr_K18	ACGGCCCCCGGGCTGTTTACGGCCGCAAGGGTAAGGTCATATTCTAGCGCT
Fr_K62	ACGGCCCCCGGGCCGCTTGGGCCGCAAGGGTAAGGTCATATTCTAGCGCT
No_K94	ACGGCCCCCTGGACGTCGGTGCCCTCGCGGTAAGGTCATCTTCTAGCGCT
Cur_1	ACGGCCCCCTCGGTGTCCCGCTCGAAAGGGGTAAGGTCACATTCTAGCGCT
Az4_1	ACGACCCCTTCTGAAGCCGCAAGGGGTAAGGTCATATTCTGGCGTC
PR_1	ACGGCCCCCTCGGTGTCCCGCTCGAAAGGGTAAGGTCACATTCTAGCGCT
Butricularis	ACGGAACCGCTCCCTCTCGTCGAAAGGGGATAGGCCAAATTCTAGCGCT
NY_1	ACGACACCCAAGGCTTTACGCACCTAGGGTAAG-TCATATTCTAGCGTT
Poblunga	ACGGCCCCCTGATATCTGCTCGGAAGGGGTAAGGTCATATTCTAGTGCT
Idn2	ACGATCCCCCTTCCAGAGGTCCGCAAGGGTAAGATCATATTCTGGCGTC
CJ1_1	ACGA-CCCCCTTCTGAAGCCGCAAGGGGTAAGGTCATATTCTGGCGTC
CR_1	ACGACCCCGTTCGTAAGCCGCAAGGTGGGTAGGTCATATTCTGGCGTC
Pdidermoides	ACGACCCCTCGTCTGAGCTCGCAAGAGGTAAGGTCAGATTCTGGTGTC
UFF1	ACGCAACCGCTCCCTCTCGTCGAAAGAGGATAGGCCAAATTCTAGCGCT
CJA3	ACGACCCCTCGGTGTCCCGCTCGAAAGGGGTAAGGTCACATTCTAGCGCT
Prigidum	ACGGAACCGCTCCCTCTCGTCGCAAGAGGATAGGCCAAATTCTAGCGCT
C1	ACGGCCCCCTGGTTCCCGCTCCGCAAGGGGTAAGGTCATATTCTAGCGTT
PpolycephalumWis1	ACGGAACCGCTCCCTCTCACCGTAAAGGATAGGCCAAATTCTAGCGCT
Sflavogenita	ACGGCCCCCGGGTTCGGCCGCTTCACGGATCGGTACATTCTGGCTTT
CUR1_4	TTCCCGGTTTCGTATGATGGCTTGGCTACCTGGATAAGTACCCTAGGGC
HA4_1	TTCTTGGTTTGCCACGATGGTCTGGCTACCTTGGGTGAGTACCCTGGGAC
CR19_1	TTCTTGGTTTGCCACGATGGTCTGGCTACCTTGGGTGAGTACCCTGGGAC
Pan2	TTCCCTGCTGGTAATGATGGCGTGGCTACCTCGGAGAAGTACCCTGAGGC
CR8_1	TTCCCTGCTGGTAATGATGGCGTGGCTACCTCGGAGAAGTACCCTGAGGC
Fr_K7	TTCCCGGTCTGATACGGTGGTTTGGCCCCCTCTGGGATAGTACCTCGAGAC
Fr_K15	TTCCCGGTCTGATACGGTGGTTTGGCCCCCTCTGGGATAGTACCTCGAGAC
CR10	TTCCCGGTGGTTCATGATGGTCTGGCCCCCTCTGGGCGAGTACCCTGGGAC
It_K61	TTCTAGTCGGATACGATGGCTTGGCTCCTCTGGGTGAGTACCTTGGGAC
Fr_K10	TTCTCGTTGGGTATGATGGTTTGGCTCCTCTGGGATAGTACTTCGAAGC
It_K66	TTCTCGTTGGGTACGATGGTTTGGCTCCTCTGGGATAGTACTTCGGGAC
Uk_K79	TTCTCGTTGGGTACGATGGTTTGGCTCCTCTGGGATAGTACTTCGGGAC
Pr3_1	TTCTAGTCGAGTACGACGGCTTGGCTCCTCTGGGTGAGTACCCTGGGAC
It_K71	TTCTGGCTATACAGGTGGCTTGGCTCCTCTGGGTGAGTACTCTGGGAC
Fr_K18	TTCTGGCTGGTTCATGATGGCTTGGCTCCTCTGGGTGAGTACTCTGGGAC
Fr_K62	TTCTGGCTAATCAAGACGGCTTGGCCCCCTCTGGGTGAGTACTCTGGGAC
No_K94	TTCTAGCTAGGTACGGTGGTTTGGCCCCCTCTGGGTGAGTACCTTGGGAC
Cur_1	TTCCCGACTCG-TACGGTGGCTTGGCCCCCTCGGGTGGTACCTCGTGAC
Az4_1	GTCTCGATCG-CATGACGAGTCGGCTACCTGGGATAGTACTTCNAATC
PR_1	TTCCCGACTCG-TACGGTGGCTTGGCCCCCTCGGGTGGTACCTCGTGAC
Butricularis	TTCCCGCTCG-CATGACGGATCGGCTCCTCTGGGTGAGTACTGTGGGAC
NY_1	TTCCAGGCACG-T-CGATGGGTCAAACCTCTGGGTGAGTACCTCGAGAC
Poblunga	TTCCGAGCTCG-TATGATGGCTTGGGCTCTCTGGGATAGTACTTGGGAC
Idn2	TTCCACGGTTG-CATGATGGGTAGCTAACCTAGGATAGTACTTCGGATC
CJ1_1	GTCTCGATCG-CATGACGAGTCGGCTACCTGGGATAGTACTTCGAATC
CR_1	GTCTCGATCG-TACGACGGGTGGCTACCTGGGATAGTACTTCGAATC
Pdidermoides	CTCCATAATCG-TACGATTGGTTGGCTAACCTAGGATAGTACTTCGAGTC
UFF1	TTCCCGCCCCG-CATGACGGATTGGCTCCCTGGGTGAGTACTCGGAGAC
CJA3	TTCCCGACTCG-TACGGTGGCTTGGCCCCCTCGGGTGGTACCTCGTGAC
Prigidum	TTCCACGCTCT-CATGATGTGGCGGCTCCCTGGGTGAGTACCGCGAGAC
C1	TTCCGGGTCA-CACGATGGCTTGGCTCCTCTGGGTGAGTACTCTGGGAC
PpolycephalumWis1	TTCCGCGCTCA-TACGACGAGTTGGCTCCCTGGGTGAGTACCGTGAAC
Sflavogenita	TGCTCGGCTGGCTATGACTGGGTCCAGCTGCGGGTGGTACCTTGGGAC

CUR1_4	CGCAACGTGGGCTTCCGGGCTCGCAGCGCGTTGTTCTTGGGGGAACCTGGG
HA4_1	CGTGAGTCGGGCTTCCGAGTCTGGCGAGCGCTGTTCTCGGGGGAACCTAGG
CR19_1	TACAAGCCGGGCTTCCGGGCTCGGTGAGTATTGTTCTCGGGGGAACCTAG
Pan2	CGCAATCCAGGCTTTCGGGCTCGGTGAGCGCTGTTCTCGGGGGAACCGGG
CR8_1	CGCAATCCAGGCTTTCGGGCTCGGTGAGCGCTGTTCTCGGGGGAACCGGG
Fr_K7	CATGAGTTGGGCTTCCGAGCCCGCGAGTGTGTTT-TTGGGGGAACACAGC
Fr_K15	CATGAGTTGGGCTTCCGAGCCCGCGAGTGTGTTT-TTGGGGGAACACAGC
CR10	CGTGCGTTGGGCTTCCGAGTCTGACAAACGTTGCTCCCGGGGAACACAGG
It_K61	CGCAAACTGGGCTTCCGGGTCTGGTGCGCGTTGTTCCGGGGGAACACAGG
Fr_K10	TGCAAACTGGGCTTCCGGGTCTGGTGCGCAT-GTT-TTGGGGGAACACAGG
It_K66	TGCAAACTGGGCTTCCGGGTCTGGTGCGCATTGTT-CTGGGGGAACACAGG
Uk_K79	TGCAAACTGGGCTTCCGGGTCTGGTGCGCATTGTT-CTGGGGGAACACAGG
Pr3_1	CGCAAGTTGGGCTTCCGGGTCTGACGAGCGTTGCTCCTGGGGGAACACAGG
It_K71	CGCAAACTGGGCTTCCGGGTCTGGTGCGCGCTGCTCTCGGGGGAACACAGA
Fr_K18	CGCAAACTGGGCTTCCGGGTCTGGTGCGCGCTGCTCTTGGGGGAACACAGA
Fr_K62	CGCAAACTGGGCTTCCGGGTCTGGTGCGCGCTGCTCTCGGGGGAACACAGA
No_K94	CACGAGCTGGGCTTACGAGTCTGGTGAGTGTGCTTCCGGGGGAACACAGG
Cur_1	CACAAACTGGGCCTCCGGGTCTGGTGCGTGTGCTTCTCGGGGGAACCGGA
Az4_1	CGTAATTCGGGCTTCCGGGTCTGGAGAGCGCTGTGTTTGGGGGAACCTAGG
PR_1	CACAAACTGGGCCTCCGGGTCTGGTGCGTGTGCTTCTCGGGGGAACCGGA
Butricularis	CGCGAGTCGGGCTTCCGAGTCTGGCGAGTGTGCTTCTGCGGGAACACAGG
NY_1	CACAAACTGGGCTTCCGGGTCTGGTGCGTGTGCTTCTG-GGAACTGGA
Poblunga	CGCAAACTGGGCTTCCGGGTCTGGTGCGTGTGTTTCTGAGGGAACACAGA
Idn2	CACGAGACGGGCTTCCGGGTCTGGCGAGTGTGCTTCTCGGGGGAACCTAGG
CJ1_1	CGTAATTCGGGCTTCCGGGTCTGGAGAGCGCTGTGTTTGGGGGAACCTAGG
CR_1	CGCAATTCGGGCTTCCGGGTCTGGAGCGCGCTGTGTTTGGGGGAACACAGG
Pdidermoides	CGTGAGCTGGGCTTCCGGGTCTGGCAAGCGTTGTGCTTGGGGGAACCTAGG
UFF1	CGTAAGTTGGGCTTCCGAGTCCGCGCGCGCTTGTCTTTCGGGGGAACACAGG
CJA3	CACAAACTGGGCCTCCGGGTCTGGTGCGTGTGCTTCTCGGGGGAACCGGA
Prigidum	CGTACGCTGAGCTTCCGAGCCCGGTAACGCTGTCTCGTGGGAACACAGA
C1	CACAAACTGGGCCTCCGGGTCTGGTGCGTGTGCTTCTTGGGGGAACACAGG
PpolycephalumWis1	CACGAGCTGGGCTTCCGAGTCCGCGAGTGTGCTGTTTCCGCGGGAACACAGA
Sflavogenita	GGCAATTGGGGCTTCCGGGTCCGAGCGCATTGTT-CTGGGGGAACCGTG
CUR1_4	GATC-GCTGGGTGTGCTCTCT-GGCGGGCGTTAACGGTACATAAGGTGTAG
HA4_1	GCTT-GTTGGGCTGTCTCTCT-GGTGGGCGTTAAAGGTACATAAGGTGTAG
CR19_1	GGTCCGCTGGGTGTGCTCTCT-GGCTGGCTTCGAGGGTACACAAGGTGTAG
Pan2	GGTTCGTTGTGCTGTCTCTCT-GGCCGGCGTAAAGGGTATACAAGGTGTAG
CR8_1	GGTTCGTTGTGCTGTCTCTCT-GGCCGGCGTAAAGGGTATACAAGGTGTAG
Fr_K7	GACG-GTTGAGCTGTCTCTCT-GTCGGACCTCGTAGGTACATAAGGTGTAG
Fr_K15	GACG-GTTGAGCTGTCTCTCT-GTCGGACCTCGTAGGTACATAAGGTGTAG
CR10	GATG-GTTGGACTGTCTCTCT-GTCTGGCCTCGGTGGTACATAAGGTGTAG
It_K61	GATG-GTTGGGCTGTCTCTCT-GTCCGGCGAAATCGGTACGTAAGGTGTAG
Fr_K10	GATG-GTTGGACTGTCTCTCT-GCCTGGCAATTTTGGTACGTAAGGTGTAG
It_K66	GATG-GTTGGACTGTCTCTCT-GCCTGGCAATTTTGGTACGTAAGGTGTAG
Uk_K79	GATG-GTTGGACTGTCTCTCT-GCCTGGCAATTTTGGTACGTAAGGTGTAG
Pr3_1	GATA-GTTGGGCTGTCTCTCT-GCTTGGCGATTCCGGGTACGTAAGGTGTAN
It_K71	GATG-GTTGGGCTGCCCTCT-GGATAGCATAAATGGTACGTAAGGTGTAG
Fr_K18	GATG-GTTGGGCTGCCCTCT-GTCTGGCGTCAAAGGTACGTAAGGTGTAG
Fr_K62	GATG-GTTGGGCTGCCCTCT-GTATAGCATAAATGGTACGTAAGGTGTAG
No_K94	GACG-GTTGGATCACCTCT-GCCTGGCGTAATCGGTACGTTAGGTGTAG
Cur_1	GACGG-TTGGGCGGCCCTCT-GCGGGCTAAAAG-GGTACGTAAGGTGTAG
Az4_1	TGTGA-TGGCTGCGTCTCTCT-GCGGTCTTTATT-GGTACATAGT--GTAG
PR_1	GACGG-TTGGGCGGCCCTCT-GCGGGCTAAAAG-GGTACGTAAGGTGTAG
Butricularis	GACGG-TCGAAGTGTCTCT-GCGGGCTTCAAGCGGTACGTAATGTGTAG
NY_1	GGTCGTGCGA-CTGTCTCTCT-GCGGGCATTAACGGTACGTAATGTGTAG
Poblunga	GATCGCTTGGGCTGTCTCTCT-ATGGGGTCAAGGAGGTACATAAGGTGTAG
Idn2	CGTGA--GAGCTCATCTCTCT-GCAGCCAAAAT--GGTACATAGTCAGTAG
CJ1_1	TGTGA--TGGCGCGTCTCTCT-GCGGTCTTTATT-GGTACATAGTCAGTAG
CR_1	TGTGA--TAACAGTCTCTCT-GCGGTCTTTATT-GGTACATAGTCAGTAG
Pdidermoides	CGTNA--TGACTGGTCTCTCT-GCGGTCTTTAATATGGTACATAGTCAGTAG
UFF1	GACGGTTCGAACCGTCTCTCT-GTGGGCTTTAAATGGTACGTAATGTGTAG
CJA3	GACGG-TTGGGCTGCCCTCT-GCGGGCTAAAAG-GGTACGTAAGGTGTAG
Prigidum	GACGG-TCGTCGTGTCTCTCT-GAGGGCTTCAAGTGGTACGTAAGGTGTAG
C1	GATGG-TTGGGCTGTCTCTCT-GTGGGCGAATATCGGTATGTAAGGTGTAG
PpolycephalumWis1	GACGG-TCTTCTCGGCTCTCT-GTGGGCTTCATGCGGTACGTAATGTGTAG
Sflavogenita	GGTGTGGGCTTGGTCTCTAGCCGGCAATTTCAAGGCACGTAACGTGTAG

CUR1_4	CAGACTATTT-GTGTAGGGAGTTT-GGCTGGGGCGGAAAACGTCTACAC
HA4_1	CAGACTATTT-GTGTGGGGAGTTT-GGCTGGGGCGGAAAACGTCTACAC
CR19_1	CAAACATTTTGTGTAGGGAGTTTGGCTGGGGCGGAAAACGTCTACAC
Pan2	CAAACATTTT-GTGTAGGGAGTTT-GGCTGGGGCGGAAAACGTCTACAC
CR8_1	CAAACATTTT-GTGTAGGGAGTTT-GGCTGGGGCGGAAAACGTCTACAC
Fr_K7	CAAACCATCT-GTGTGGGGAGTTT-GGCTGGGGCGGAAAACGTCTACAC
Fr_K15	CAAACCATCT-GTGTGGGGAGTTT-GGCTGGGGCGGAAAACGTCTACAC
CR10	CAAACCATTT-GTGTGGGGAGTTT-GGCTGGGGCGGAAAACGTCTACAC
It_K61	CAGACCATCT-GTGTGGGGAGTTT-GGCTGGGGCGGAAAACGTCTACAC
Fr_K10	CAGACTATCT-GTGTGGGGAGTTT-GGCTGGGGCGGAAAACGTCTACAC
It_K66	CAGACTATCT-GTGTGGGGAGTTT-GGCTGGGGCGGAAAACGTCTACAC
Uk_K79	CAGACTATCT-GTGTGGGGAGTTT-GGCTGGGGCGGAAAACGTCTACAC
Pr3_1	CAGACCATCT-GTGTGGGGAGTTT-GGCTGGGGCGGAAAACGTCTACAC
It_K71	CAGACCATCT-GTGTGGGGAGTTT-GGCTGGGGCGGAAAACGTCTACAC
Fr_K18	CAGACACTCT-GTGTGGGGAGTTT-GGCTGGGGCGGAAAACGTCTACAC
Fr_K62	CAGACCATCT-GTGTGGGGAGTTT-GGCTGGGGCGGAAAACGTCTACAC
No_K94	CAGACCATTT-GTGTGGGGAGTTT-GGCTGGGGCGGAAAACGTCTACAC
Cur_1	CAAACCATC-TGTGTGGGGAGTTT-GGCTGGGGCGGAAAACGTCTACAC
Az4_1	CAGACTATCCTATGTGGGGAGTTT-GGCTGGGGCGGAAAACGTCTACAC
PR_1	CAAACCATC-TGTGTGGGGAGTTT-GGCTGGGGCGGAAAACGTCTACAC
Butricularis	CAGACTATC-TATGTGGGGAGTTT-GGCTGGGGCGGAAAACGTCTACAC
NY_1	CAGACACTC-TGTGTGGGGAGTTT-GGCTGGGGCGGAAAACGTCTACAC
Poblonga	CAGACTCTT-TGTGTAGGGAGTTT-GGCTGGGGCGGAAAACGTCTACAT
Idn2	CAGGCTATC-TATGTGGGGAGTTT-GGCTGGGGCGGAAAACGTCTACAC
CJ1_1	CAGACTATC-TATGTGGGGAGTTT-GGCTGGGGCGGAAAACGTCTACAC
CR_1	CAGACTATC-TATGTGGGGAGTTT-GGCTGGGGCGGAAAACGTCTACAC
Pdidermoides	CAGACTATC-TATGTGGGGAGTTT-GGCTGGGGCGGAAAACGTCTACAC
UFF1	CAGACTATC-TATGTGGGGAGTTT-GGCTGGGGCGGAAAACGTCTACAC
CJA3	CAAACCATC-TGTGTGGGGAGTTT-GGCTGGGGCGGAAAACGTCTACAC
Prigidum	CAGACTATC-TATGTGGGGAGTTT-GGCTGGGGCGGAAAACGTCTACAC
C1	CAGACCATT-TGTGTGGGGAGTTT-GGCTGGGGCGGAAAACGTCTACAC
PpolycephalumWis1	CAGACTATC-TATGTGGGGAGTTT-GGCTGGGGCGGAAAACGTCTACAC
Sflavogenita	CAGAAACAC-TGTGTGGGGAGTTT-GGCTGGGGCGGAAAACGTCTACAT
CUR1_4	GGCAACGGCAGTCTCCTAAGGTCCACTCAGAGACGACAGAAACGTCT-CG
HA4_1	GGCAACGGCAGTCTCCTAAGGTCCACTCAGAGACGACAGAAACGTCT-CG
CR19_1	GGCAACGGCAGTCTCCTAAGGTCCACTCAGAGACGACAGAAACGTCT-CG
Pan2	GGCAACGGCAGTCTCCTAAGGTCCACTCAGAGACGACAGAAACGTCT-CG
CR8_1	GGCAACGGCAGTCTCCTAAGGTCCACTCAGAGACGACAGAAACGTCT-CG
Fr_K7	GGCAACGGCAGTCTCCTAAGGTCCACTCAGAGACGACAGAAACGTCT-CG
Fr_K15	GGCAACGGCAGTCTCCTAAGGTCCACTCAGAGACGACAGAAACGTCT-CG
CR10	GGCAACGGCAGTCTCCTAAGGTCCACTCAGAGACGACAGAAACGTCT-CG
It_K61	GGCAACGGCAGTCTCCTAAGGTCCACTCAGAGACGACAGAAACGTCT-CG
Fr_K10	GGCAACGGCAGTCTCCTAAGGTCCACTCAGAGACGACAGAAACGTCT-CG
It_K66	GGCAACGGCAGTCTCCTAAGGTCCACTCAGAGACGACAGAAACGTCT-CG
Uk_K79	GGCAACGGCAGTCTCCTAAGGTCCACTCAGAGACGACAGAAACGTCT-CG
Pr3_1	GGCAACGGCAGTCTCCTAAGGTCCACTCAGAGACGACAGAAACGTCT-CG
It_K71	GGCAACGGCAGTCTCCTAAGGTCCGCTCAGAGACGACAGAAACGCCT-CG
Fr_K18	GGCAACGGCAGTCTCCTAAGGTCCGCTCAGAGACGACAGAAACGCCT-CG
Fr_K62	GGCAACGGCAGTCTCCTAAGGTCCGCTCAGAGACGACAGAAACGCCT-CG
No_K94	GGCAACGGCAGTCTCC-AAGGTCCACTCAGAGACGACAGAAACGTCT-CG
Cur_1	GGCAACGGCAGTCTCCTAAGGTCCACTCAGAGACGACAGAAACGTCTCG
Az4_1	GGCAACGGCAGTCTCCTAAGGTCCACTCAGAGACGACAGAAACGTCT-CG
PR_1	GGCAACGGCAGTCTCCTAAGGTCCACTCAGAGACGACAGAAACGTCT-CG
Butricularis	GGCAACGGCAGTCTCCTAAGGTCCACTCAGAGACGACAGAAACGTCT-CG
NY_1	GGCAACGGCAGTCTCCTAAGGTCCACTCAGAGACGACAGAAACGTCT-CG
Poblonga	GGCAACGGCAGTCTCCTAAGGTCCACTCAGAGACGACAGAAAC-TCT-CG
Idn2	GGCAACGGCAGTCTCCTAAGGTCCACTCAGAGACGACAGAAACGTCT-CG
CJ1_1	GGCAACGGCAGTCTCCTAAGGTCCACTCAGAGACGACAGAAACGTCT-CG
CR_1	GGCAACGGCAGTCTCCTAAGGTCCACTCAGAGACGACAGAAACGTCT-CG
Pdidermoides	GGCAACGGCAGTCTCCTAAGGTCCACTCAGAGACGACAGAAACGTCT-CG
UFF1	GGCAACGGCAGTCTCCTAAGGTCCGCTCAGAGACGACAGAAACGTCT-CG
CJA3	GGCAACGGCAGTCTCCTAAGGTCCACTCAGAGACGACAGAAACGTCT-CG
Prigidum	GGCAACGGCAGTCTCCTAAGGTCCACTCAGAGACGACAGAAACGTCT-CG
C1	GGCAACGGCAGTCTCCTAAGGTCCACTCAGAGACGACAGAAACGTCT-CG
PpolycephalumWis1	GGCAACGGCAGTCTCCTAAGGTCCACTCAGAGACGACAGAAACGTCT-CG
Sflavogenita	GGCAACGGCAGTCTCCTAAGGTCTGCTCAGAGGCGACAGAAACGTCT-CG

CUR1_4	TAGAGCATAAGGGCAAAAGTGGGCTTAACCTCACATTTTCA-GTAGTAATG
HA4_1	TAGAGCATAAAGGCAAAAGTGGGCTTAACCTTACATTTTCA-GTAGTAATG
CR19_1	TAGAGCATAAAGGCAAAAGTGGGCTTAACCTTACATTTTCA-GTAGTAATG
Pan2	TAGAGCATAAAGGCAAAAGTGGGCTTAACCTTACATTTTCA-GTAGTAATG
CR8_1	TAGAGCATAAAGGCAAAAGTGGGCTTAACCTTACATTTTCA-GTAGTAATG
Fr_K7	TAGAGCATAAAGGCAAAAGTGGGCTTAACCTTACATTTTCA-GTAGTAATG
Fr_K15	TAGAGCATAAAGGCAAAAGTGGGCTTAACCTTACATTTTCA-GTAGTAATG
CR10	TAGAGCATAAAGGCAAAAGTGGGCTTAACCTTACATTTTCA-GTAGTAATG
It_K61	TAGAGCATAAAGGCAAAAGTGGGCTTAACCTTACATTTTCA-GTAGTAATG
Fr_K10	TAGAGCATAAAGGCAAAAGTGGGCTTAACCTTACATTTTCA-GTAGTAATG
It_K66	TAGAGCATAAAGGCAAAAGTGGGCTTAACCTTACATTTTCA-GTAGTAATG
Uk_K79	TAGAGCATAAAGGCAAAAGTGGGCTTAACCTTACATTTTCA-GTAGTAATG
Pr3_1	TAGAGCATAAAGGCAAAAGTGGGCTTAACCTTACATTTTCA-GTAGTAATG
It_K71	TAGAGCATAAAGGCAAAAGTGGGCTTAACCTTACATTTTCA-GTAGTAATG
Fr_K18	TAGAGCATAAAGGCAAAAGTGGGCTTAACCTTACATTTTCA-GTAGTAATG
Fr_K62	TAGAGCATAAAGGCAAAAGTGGGCTTAACCTTACATTTTCA-GTAGTAATG
No_K94	TAGAGCATAAAGGCAAAAGTGGGCTTAACCTTACATTTTCA-GTAGTAATG
Cur_1	TAGAGCATAAAGGCAAAAGTGGGCTTAACCTTACATTTTCA-GTAGTAATG
Az4_1	TAGAGCATAAAGGCAAAAGTGGGCTTAACCTTACATTTTCA-GTAGTAATG
PR_1	TAGAGCATAAAGGCAAAAGTGGGCTTAACCTTACATTTTCA-GTAGTAATG
Butricularis	TAGAGCATAAAGGCAAAAGTGGGCTTAACCTTACATTTTCA-GTAGTAATG
NY_1	TAGAGCATAAAGGCAAAAGTGGGCTTAACCTTACATTTTCA-GTAGTAATG
Poblonga	TAGAGCATAAAGGCAAAAGTGGGCTTAACCTTACATTTTCA-GTAGTAATG
Idn2	TAGAGCATAAAGGCAAAAGTGGGCTTAACCTTACATTTTCA-GTAGTAATG
CJ1_1	TAGAGCATAAAGGCAAAAGTGGGCTTAACCTTACATTTTCA-GTAGTAATG
CR_1	TAGAGCATAAAGGCAAAAGTGGGCTTAACCTTACATTTTCA-GTAGTAATG
Pdidermoides	TAGAGCATAAAGGCAAAAGTGGGCTTAACCTTACATTTTCA-GTAGTAATG
UFF1	TAGAGCATAAAGGCAAAAGTGGGCTTAACCTTACATTTTCA-GTAGTAATG
CJA3	TAGAGCATAAAGGCAAAAGTGGGCTTAACCTTACATTTTCA-GTAGTAATG
Prigidum	TAGAGCATAAAGGCAAAAGTGGGCTTAACCTTACATTTTCA-GTAGTAATG
C1	TAGAGCATAAAGGCAAAAGTGGGCTTAACCTTACATTTTCA-GTAGTAATG
PpolycephalumWis1	TAGAGCATAAAGGCAAAAGTGGGCTTAACCTTACATTTTCA-GTAGTAATG
Sflavogenita	TAGAACATAAAGGTAAAAGCAGGCTTAAATTACATTCTCA-GTAGTAATG
CUR1_4	TGAAGCAAGAAATTGAGGCCTAACGATCCTTAACGGCGGGTGCCAGCCCA
HA4_1	TGAAGCAAGAAATTGAGGCCTAACGATCCTTAACGGCGGGTGCCAGCCCA
CR19_1	TGAAGCAAGAAATTGAGGCCTAACGATCCTTAACGGCGGGTGCCAGCCCA
Pan2	TGAAGCAAGAAATTGAGGCCTAACGATCCTTAACGGCGGGTGCCAGCCCA
CR8_1	TGAAGCAAGAAATTGAGGCCTAACGATCCTTAACGGCGGGTGCCAGCCCA
Fr_K7	TGAAGCAAGAAATTGAGGCCTAACGATCCTTAGCGTCGGGTGCCAGCCCG
Fr_K15	TGAAGCAAGAAATTGAGGCCTAACGATCCTTAGCGTCGGGTGCCAGCCCG
CR10	TGAAGCAAGAAATTGAGGCCTAACGATCCTTAACGGCGGGTGCCAGCCCG
It_K61	TGAAGCAAGAAATTGAGGCCTAACGATCCTTAGCAGCGGGTGCCAGCCCA
Fr_K10	TGAAGCAAGAAATTGAGGCCTAACGATCCTTAGCAGCGGGTGCCAGCCCA
It_K66	TGAAGCAAGAAATTGAGGCCTAACGATCCTTAGCAGCGGGTGCCAGCCCA
Uk_K79	TGAAGCAAGAAATTGAGGCCTAACGATCCTTAGCAGCGGGTGCCAGCCCA
Pr3_1	TGAAGCAAGAAATTGAGGCCTAACGATCCTTAGCAGCGGGTGCCAGCCCA
It_K71	TGAAGCAAGAAATTGAGGCCTAACGATCCTTAGCGTCGGGTGCCAGCCCA
Fr_K18	TGAAGCAAGAAATTGAGGCCTAACGATCCTTAGCGTCGGGTGCCAGCCCA
Fr_K62	TGAAGCAAGAAATTGAGGCCTAACGATCCTTAGCGTCGGGTGCCAGCCCA
No_K94	TGAAGCAAGAAATTGAGGCCTAACGGTCCTTAACGGTCGGGTGCCAGCCCG
Cur_1	TGAAGCAAGAAATTGAGGCCTAACGATCCTTAACGGCGGGTGCCAGCCCA
Az4_1	TGAAGCAAGAAATTGAGGCCTAACGATCCTTAGCGCGGGTGCCAGCCCA
PR_1	TGAAGCAAGAAATTGAGGCCTAACGATCCTTAACGGCGGGTGCCAGCCCA
Butricularis	TGAAGCAAGAAATTGCGGCTTAACGATCCTTAGCGCGGGTGCCAGCCCA
NY_1	TGAAGCAAGAAATTGCGGCTTAACGATCCTTAGCAGCGGGTGCCAGCCCA
Poblonga	TGAAGCAAGAAATTGAGGCCTAACGATCCTTAGCGCGGGTGCCAGCCCA
Idn2	TGAAGCAAGAAATTGAGGCCTAACGATCCTTAGCGCGGGTGCCAGCCCA
CJ1_1	TGAAGCAAGAAATTGAGGCCTAACGATCCTTAGCGCGGGTGCCAGCCCA
CR_1	TGAAGCAAGAAATTGAGGCCTAACGATCCTTAGCGCGGGTGCCAGCCCA
Pdidermoides	TGAAGCAAGAAATTGAGGCCTAACGATCCTTAGCGCGGGTGCCAGCCCA
UFF1	TGAAGCAAGAAATTGCGGCTTAACGATCCTTAGCGCGGGTGCCAGCCCA
CJA3	TGAAGCAAGAAATTGAGGCCTAACGATCCTTAACGGCGGGTGCCAGCCCA
Prigidum	TGAAGCAAGAAATTGCGGCTTAACGATCCTTAGCGCGGGTGCCAGCCCA
C1	TGAAGCAAGAAATTGAGGCCTAACGATCCTTAGCGCGGGTGCCAGCCCA
PpolycephalumWis1	TGAAGCAAGAAATTGCGGCTTAACGATCCTTAGCGCGGGTGCCAGCCCA
Sflavogenita	TGAAGCGAGAAATCGAGGCTTAACGATCCTTAGCGCGGGTGCCAGCCCA

CUR1_4	CGTTTGAGGTGAGAGAAAAGTTACCACAGGGATAACTGGCTTGTGGCCGC
HA4_1	CGTTTGAGGTGAGAGAAAAGTTACCACAGGGATAACTGGCTTGTGGCCGC
CR19_1	CGTTTGAGGTGAGAGAAAAGTTACCACAGGGATAACTGGCTTGTGGCCGC
Pan2	CGTTTGAGGTGAGAGAAAAGTTACCACAGGGATAACTGGCTTGTGGCCGC
CR8_1	CGTTTGAGGTGAGAGAAAAGTTACCACAGGGATAACTGGCTTGTGGCCGC
Fr_K7	CGCTTGAGGTGAGAGAAAAGTTACCACAGGGATAACTGGCTTGTGGCCGC
Fr_K15	CGCTTGAGGTGAGAGAAAAGTTACCACAGGGATAACTGGCTTGTGGCCGC
CR10	CGTTTGAGGTGAGAGAAAAGTTACCACAGGGATAACTGGCTTGTGGCCGC
It_K61	TGCTTGAGGTGAGAGAAAAGTTACCACAGGGATAACTGGCTTGTGGCCGC
Fr_K10	TGCTTGAGGTGAGAGAAAAGTTACCACAGGGATAACTGGCTTGTGGCCGC
It_K66	TGCTTGAGGTGAGAGAAAAGTTACCACAGGGATAACTGGCTTGTGGCCGC
Uk_K79	TGCTTGAGGTGAGAGAAAAGTTACCACAGGGATAACTGGCTTGTGGCCGC
Pr3_1	TGCTTGAGGTGAGAGAAAAGTTACCACAGGGATAACTGGCTTGTGGCCGC
It_K71	CGCTTGAGGTGAGAGAAAAGTTACCACAGGGATAACTGGCTTGTGGCCGC
Fr_K18	CGCTTGAGGTGAGAGAAAAGTTACCACAGGGATAACTGGCTTGTGGCCGC
Fr_K62	CGCTTGAGGTGAGAGAAAAGTTACCACAGGGATAACTGGCTTGTGGCCGC
No_K94	CGTTTGAGGTGAGAGAAAAGTTACCACAGGGATAACTGGCTTGTGGCCGC
Cur_1	CGTTTGAGGTGAGAGAAAAGTTACCACAGGGATAACTGGCTTGTGGCCGC
Az4_1	CGCTTGAGGTGAGAGAAAAGTTACCACAGGGATAACTGGCTTGTGGCCGC
PR_1	CGTTTGAGGTGAGAGAAAAGTTACCACAGGGATAACTGGCTTGTGGCCGC
Butricularis	CGCTTGAGGTGAGAGAAAAGTTACCACAGGGATAACTGGCTTGTGGCCGC
NY_1	CGCTTGAGGTGAGAGAAAAGTTACCACAGGGATAACTGGCTTGTGGCCGC
Poblunga	CGCTTGAGGTGAGAGAAAAGTTACCACAGGGATAACTGGCTTGTGGCCGC
Idn2	CGCTTGAGGTGAGAGAAAAGTTACCACAGGGATAACTGGCTTGTGGCCGC
CJ1_1	CGCTTGAGGTGAGAGAAAAGTTACCACAGGGATAACTGGCTTGTGGCCGC
CR_1	CGCTTGAGGTGAGAGAAAAGTTACCACAGGGAT-ACTGGCTTGTGGCCGC
Pdidermoides	CGCTTGAGGTGAGAGAAAAGTTACCACAGGGATAACTGGCTTGTGGCCGC
UFF1	CGCTTGAGGTGAGAGAAAAGTTACCACAGGGATAACTGGCTTGTGGCCGC
CJA3	CGTTTGAGGTGAGAGAAAAGTTACCACAGGGATAACTGGCTTGTGGCCGC
Prigidum	CGCTTGAGGTGAGAGAAAAGTTACCACAGGGATAACTGGCTTGTGACCGC
C1	CGCT-----AACTGGCTTGTGGCTGC
PpolycephalumWis1	CGCTTGAGGTGAGAGAAAAGTTACCACAGGGATAACTGGCTTGTGGCCGC
Sflavogenita	CGCTTGAGGTGAGAGAAAAGTTACCACAGGGATAACTGGCTTGTGGCCGC
CUR1_4	CAAGCGTTCATAGCGACGTGGC
HA4_1	CAAGCGTTCATAGCGACGTGGC
CR19_1	CAAGCGTTCATAGCGACGTGGC
Pan2	CAAGCGTTCATAGCGACGTGGC
CR8_1	CAAGCGTTCATAGCGACGTGGC
Fr_K7	CAAGCGTTCATAGCGACGTGGC
Fr_K15	CAAGCGTTCATAGCGACGTGGC
CR10	CAAGCGTTCATAGCGACGTGGC
It_K61	CAAGCGTTCATAGCGACGTGGC
Fr_K10	CAAGCGTTCACAGCGACGTGGC
It_K66	CAAGCGTTCATAGCGACGTGGC
Uk_K79	CAAGCGTTCATAGCGACGTGGC
Pr3_1	CAAGCGTTCATAGCGACGTGGC
It_K71	CAAGCGTTCATAGCGACGTGGC
Fr_K18	CAAGCGTTCATAGCGACGTGGC
Fr_K62	CAAGCGTTCATAGCGACGTGGC
No_K94	CAAGCGTTCATAGCGACGTGGC
Cur_1	CAAGCGTTA-----
Az4_1	CAAGCGTTCATAGCGACGTGGC
PR_1	CAAGCGTTCATAGCGACGTGGC
Butricularis	CAAGCGTTCATAGCGACGTGGC
NY_1	CAAGCGTTCATAGCGACGTGGC
Poblunga	CAAGCGTTCATAGCGACGTGGC
Idn2	CAAGCGTTCATAGCGACGTGGC
CJ1_1	CAAGCGTTCATAGCGACGTGGC
CR_1	CAAGCGTTCATAGCGACGTGGC
Pdidermoides	CAAGCGTTCATAGCGACGTGGC
UFF1	CAAGCGTTCATAGCGACGTGGC
CJA3	CAAGCGTTCATAGCGACGTGGC
Prigidum	CAAGCGTTCATAGCGACGTGGC
C1	CAAGCGTTCATAGCGACGTAGC
PpolycephalumWis1	CAAGCGTTCATAGCGACGTGGC
Sflavogenita	CAAGCGTTCATAGCGACGTGGC