

1
dppana -----TTA GCAAGGGG---CTTA---AACTT---CTTACCTACTTTCCA CCTG---CT
dppere -----TT-----CTTA---TA CCTG---AATT-----TTCCACCTGCCATCCG CCTAGATTTT
dppgri -----TT-----CTTA---CACTTGGCCAGT-----CCAAGA GTGCTACCTG TT-----C
dppmel -----TT-----CTTA---TACCTG---AATT-----TTCCACCTGCCATCCG CCTAGGCTTT
dppmoj GATATTGCGT GCACTATGGC CCTAGTGCCA CCTA---T-----TTGCACCTGCCCGCCG TGTG-----
dppper -----TTGTTATG-----CGAT---GA COTA---CAATT-----TTTCACCTGCTCTCTG GTTG---CCCT
dppse -----TT-----CTTA---TA COTG---CAATT-----TTTCACCTGCTCTCTG GTTT---CGCT
dppsec -----TTT TCAATTACTT CCTA---TA COTG---CAATT-----TTCCACCTGCCATCCG CCTAGGATTT
dppsim -----TTT TCAATTACTT CCTA---TA COTG---AATT-----TTCCACCTGCCATCCG CCTAGGATTT
dppvir -----GTTAAATG TCTG---TA ACTG---TTT-----TTGCACCTGCTTGCAG CC-----GT
dppwil -----AGACT ATTA---TA CCTACAAAAT AAAGTTTCAC CTGCT-----
dppyak -----TT-----CTTA---TA COTG---CAATT-----TTTCACCTGCCAGCCG CCTAGATTTT

71
dppana ACCGCAATGC CAAAGGCTCC TATTATCTT GTACCGAAAA ---TGATA---TAGATTTT CACTCAT---
dppere TGTGCACCGC GAAAGGCTTC GATCTGTAT---TATCCGTAA---TTTAT---ATTCC CACTCAT---
dppgri AACATATTTG TATATCTATC TATATATATA TATATAAATA ---TCTATGT GTGTGAGTCT GGCCTAAC TG
dppmel TGTGCACCGC GAAAGGCTTC GATGTGTAT---TAGCCGTAA---TTTAT---ATTCC CACTCAT---
dppmoj ---GCAGTGG CAGTTGGCTC G---CACTG GCGGCCGCAG ---T-TAAAA TCTGAATTTC ---
dppper GGCTCTCTGG CAAAGGATTC CATACATCT---TTTGGG---TTGATTTC CCCC---TTTT
dppse GGCTGTCTGG CAAAGGATTC CATACATCT---TTTGGG---TTGATTTC CCCC---TTTT
dppsec AGTGCATCGC GAAAGGCTTC GATCTATAT---TACCCGTAA---TTTAT---ATTCC GACTCAT---
dppsim AGTGCACCGC GAAAGGCTTC GATCTGTAT---TACCCGTAA---TTTAT---ATTCC CACTCAT---
dppvir GTAGCAGTTG CAACATTTGC ACTGCTCT---TTGTGAGA GACTCTATGC AATGCGTTTG ---
dppwil ---CATTTGC CAGAAGCTTC ACACAGGCTT GTAAATATGT ---TTCAAAC ACTAAAATTG AATTACA---
dppyak TGTGCACCGC GAAAGGATTC GATCTGTAT---TACCCGTAA---TTTAT---ATTCC CACTCAT---

141
dppana -----CCCACCGCG TACTTTCC-G A TACT---A A---AATGCG AA-----TGAAGAGCAT
dppere -----CGCAATGCG TACTTTCC-A CTACC---A A---AATGCG AA-----TGAAGAGCCA
dppgri CTT-----TATTGTCA TCCTCTCT-A ATCCGTGGA AAAAATATGCG AAAATACGCT TTAATAATAA
dppmel -----CGCAATGCG TACTTTCC-G CTACC---A A---AATGCG AA-----TGAAGAGCCA
dppmoj -----AGCAACGCG TACTTTCC-G CTAGT---G A---AATGCG AA-----TGAAGAGCG
dppper TTCCACTCAT GGGAAACGCG TACTTTCC-G CTACT---A A---AATGCG AA-----TGAAGAGCGT
dppse TTCCACTCAT GGGAAACGCG TACTTTCC-G CTACT---A A---AATGCG AA-----TGAAGAGCGT
dppsec -----CGCAGTGG TACTTTCC-G CTACC---A A---AATGCG AA-----TGAAGAGCCA
dppsim -----CGCAATGCG TACTTTCC-G CTACC---A A---AATGCG AA-----TGAAGAGCCA
dppvir -----AGCAACGCG TACTTTCCAG CTAGC---A A---AATGCG AA-----TGAAGAGCAC
dppwil -----CACGACGCG TACTTTCC-C CTACAGGCG G---AATGCG AA-----TGAAGAGCAT
dppyak -----CGCAATGCG TACTTTCC-G CTACC---A A---AATGCG AA-----TGAAGAGCCA

211
dppana CCA-GGATTT TCCCTGAAA- TTCCGTTTCA TCT-----AA GCGTTTTCGA TACCTGC-----GCCG
dppere GCC-GGATTT TCCCTGAAA- TTCTGCTTCA TCT-----AA GCGATTTCGA TACCTGCCAG TCCCAAGATC
dppgri TTG-TTATTT TTACAAACAC ACATAAAAATA TAA-----AA GCCATTTCG-G CGCATGC-----
dppmel GTC-GGATTT TC-CTGAAAT TTCTGTTTCA TCT-----AA GCGATTTCGA TACCTGCCGA TCCCTAGATC
dppmoj GCCAGGATTT TCCCTCGAAA TTGTAGTTCA TCT-----AA GCGATTTCGA TACCTGCC-----
dppper ATCTGGATTT TCCCTGAAA- TACTGTTTCA TCT-----AA GCGATTTCGA TACCTGG-----
dppse ATCTGGATTT TCCCTGAAA- TACTGTTTCA TCT-----AA GCGATTTCGA TACCTGG-----
dppsec GTC-GGATTT TCCCTGAAAT TTCTGTTTCA TCT-----AA GCGATTTCGA TACCTGCCGA TACCTAGATC
dppsim GTC-GGATTT TCCCTGAAAT TTCTGTTTCA TCT-----AA GCGATTTCGA TACCTGCCGA TCCCTAGATC
dppvir GACAGGATTT TCCCTGAAA TTGTGGTTCA TCT-----AA GCGATTTCGA TACCTGG-----
dppwil TGGGGGATTT TCCCTTTAAA TTCTAGTTCA TCCATTTGAG GTGATTTCGA TACCTGCT-----
dppyak GCC-GGATTT TCCCTGAAA- TTCTGTTTCA TCT-----AA GCGATTTCGA TACCTGCCGA TCCCTAGATC

281
dppana CTCGT-----GTC GTCC-----T TTTTGACGAA CCGGACCTC-----T-----
dppere CTTCT-----GTC C-CC-----G ATCCATCGAT CCACCCCTCA-----T-----
dppgri -----GCT AAAC-----G TTCCGGG-----T-----
dppmel CTTCT-----GTC C-TC-----G ATCCATCGAT CCACCCCTCA-----T-----
dppmoj -----CC-----G AGCCGACAGA GCCACCTTTA CAGGTATCTG CGCATACGTT
dppper -----CC-----G AGTG-----C-----
dppse -----CC-----G AGTG-----C-----
dppsec CTCCT-----GTC C-CC-----G ATCCACCGAT CCACCCCTCA-----T-----
dppsim CTTCTGTCCC CG-----ATC CATC-----G ATCCACCGAT CCACCCCTCA-----T-----
dppvir -----GCG CATCTCGAAG ATGCAGCGAT ATATTTTGG G-----C-----
dppwil -----ATC CAGC-----G AGCCATCCAC CCATCCATC-----T-----
dppyak CTTCTATCCC CGTCCCCGTT C-CC-----G ATCCATCGAT CCACCCCTCA TTTGCCCT-----

351

dppana	--ATCATTCA	CGCAAGCG	---	CTGT	GAAATCACGC	GGAAATTC	--CGCGGCTG	TCCAAAATGA
dppere	--ATCATTCA	CGCAAGCG	---	CTGT	GAAATCACGC	GGAAATTC	--CACGGCTT	TCCAAAATGA
dppgri	--GTAATTC	---	CGTT	GAAACATTTC	AAGGTCACAT	TTGGGTTAAG	AGTGC	CTCA
dppmel	--ATCATTCA	CGCAAGCG	---	CTGT	GAAATCACGC	GGAAATTC	--CACGGCTT	TCCAAAATGA
dppmoj	TCATCATTCA	CGCAAGCG	---	TTGA	GAAATCACGC	GGAAATTC	--CGCAGCTT	C---AAATGA
dppper	--ATCATTCA	AGCAGGCGCG	AAGAACTGT	---	GGAATCACGC	GGAAATTC	--CGCAGCTT	TTCAAAATGA
dpppse	--ATCATTCA	AGCAGGCGCG	AAGAACTGT	---	GGAATCACGC	GGAAATTC	--CGCAGCTT	TTCAAAATGA
dppsec	--ATCATTCA	CGCAAGCG	---	CTGT	GAAATCACGC	GGAAATTC	--CACGGCTT	TCCAAAATGA
dppsim	--ATCATTCA	CGCAAGCG	---	CTGT	GAAATCACGC	GGAAATTC	--CACGGCTT	TCCAAAATGA
dppvir	--ATCATTCA	CGCAAGAG	---	CTGTG	GAAATCACGC	GGAAATTC	--CGCAGCAT	TC---AAATGA
dppwil	ATCATTCA	CGCAAGCG	---	CTAT	GAAATCACGC	GGAAATTC	--CGCAGCTT	---GAAATGA
dppyak	--ATCATTCA	CGCAAGCG	---	CTGT	GAAATCACGC	GGAAATTC	--CACGGCTT	TCCAAAATGA

421

dppana	AC	---	---	---	---	---	---	CAGG
dppere	ACA	---	---	---	---	---	---	GCTAAAAG
dppgri	---	---	---	---	---	---	---	GGTAAAAG
dppmel	ACA	---	---	---	---	---	---	GCTAAAAG
dppmoj	AAGGACAAACA	GAAC	---	---	---	G	---	GCGCACAG
dppper	ACAGAACGCC	GGAG	---	---	---	AGGGTAGC	AGGC	GAAAAG
dpppse	ACAGAACGCC	GGAG	---	---	---	AGGGTAGC	AGGC	GAAAAG
dppsec	ACA	---	---	---	---	---	---	GCTAAAAG
dppsim	ACA	---	---	---	---	---	---	GCTAAAAG
dppvir	A	---	---	---	---	AGGTCGCC	AGGC	GAAAAG
dppwil	AAGGACAAAA	GAGGTTGAA	ACGTTGAGGG	GCTGAGTCTT	GAGATTGAAT	TTGAGCCGCC	GGCT	AAAAG
dppyak	ACA	---	---	---	---	---	---	GCTAAAAG

491

dppana	G	---	---	---	---	---	ACG	TG
dppere	G	---	---	---	---	---	ACA	CG
dppgri	G	---	---	---	---	---	ACA	---
dppmel	G	---	---	---	---	---	ACA	CG
dppmoj	GTAACGCTAG	CGCGCTCTCT	ATCTCTCTCG	CTCTCGCTCT	CGCACCCCTCC	CTTTCTG	ACG	CGC
dppper	G	---	---	---	---	---	ACA	GACAGTGG
dpppse	G	---	---	---	---	---	ACA	GACAGTGG
dppsec	G	---	---	---	---	---	ACA	CG
dppsim	G	---	---	---	---	---	ACA	CG
dppvir	G	---	---	---	---	---	ACA	TGCGC
dppwil	G	---	---	---	---	---	ACA	CATAACCGGCC
dppyak	G	---	---	---	---	---	ACA	CG

561

dppana	---	GG	CTT	CTACC	TGTCCTCAACT	GGTGATG	---	CAGCCCAT	CCGTGACCTT	GAAAACTTTC	
dppere	---	AGAGTC	CTT	TTACC	TGCTCTGCC	---	GCGACGA	---	CAGCTCGA	CAGTGACCTT	GAAAAATTTTC
dppgri	---	---	---	CTGCG	TGC	AAAC	TGCAATGTGC	AACTGCCGTC	CCTTTAGCCTT	GAGTCCCTTC	
dppmel	---	AGAGTC	CTT	TTACC	TGCTCTTCC	---	GCGACGA	---	CAGCTCGG	CAGTGACCTT	GAAATTTTTC
dppmoj	---	AGTGTC	CTGGATTACC	TGCGCTGTTG	GCCGCAAACT	CTTAACCCAA	ATGTGACCTT	ATGTGACCTT	ATGTGACCTT	GAAATTTTTTC	
dppper	---	ACAGGTC	CTT	TTACC	TGCCGGGCG	---	GTAGCC	---	GTGCCC	AAGTGACCTT	GAGAATTTTC
dpppse	---	ACAGGTC	CTT	TTACC	TGCCGGGCG	---	GTAGCC	---	GTGCCC	AAGTGACCTT	GAGAATTTTC
dppsec	---	AGAGT	---	CC	TGCTCTTCC	---	GCGACGA	---	CAGCTCTG	CTGTGACCTT	GAAATTTTTTC
dppsim	---	AGAGTC	CTT	TTACC	TGCTCTTCC	---	GCGACGA	---	CAGCTCGA	CAGTGACCTT	GAAATTTTTTC
dppvir	---	CGTGTC	CCCTT	TTACC	TGAGACGTCG	TTCACTCT	---	TAACCCAA	ATGTGACCTT	ATGTGACCTT	GAAATTTTTTC
dppwil	CAAAATGTGGC	CGTTTTTACC	TGTT	---	---	---	---	AAACCCAAA	ATGTGACCTT	ATGTGACCTT	GAAATTTTTTC
dppyak	---	AGAGTC	CTT	TTACC	TGCTCTGCC	---	GCGACGA	---	CAGCTCGA	CAGTGACCTT	GAAAAATTTTC

631

dppana	TT	---	CGGAATTAC	ACCAGTAACG	TTTAGCGCAT	GCGCTAA	---	TGGC	---	---
dppere	CT	---	CGGAATTAC	ACCAGGACCG	TTTAGCGCAT	GCGCTAA	---	TGGC	---	---
dppgri	ATTTGAAGCT	GCGGAATTTTC	CGCGTGATT	CACAACACTT	GCGTGAATGA	TGACCAAAAAG	ATAGATATCG	---	---	---
dppmel	CT	---	AAGAATTAC	ACCAGGACCG	TTTAGCGCAT	GCGCTAA	---	TGGC	---	---
dppmoj	TA	---	GAGAATTAC	ACCGGAACG	TTTAGCGCAT	GCGCCAA	---	TGGC	---	---
dppper	AA	---	CGGAATTAC	ACCGGAATG	TTTAGCGCAT	GCGCTAA	---	TGGC	---	---
dpppse	AA	---	CGGAATTAC	ACCGGAATG	TTTAGCGCAT	GCGCTAA	---	TGGC	---	---
dppsec	CT	---	AGGAATTAC	ACCAGGACCG	TTTAGCGCAT	GCGCTAA	---	TGGC	---	---
dppsim	CT	---	AGGAATTAC	ACCAGGACCG	TTTAGCGCAT	GCGCTAA	---	TGGC	---	---
dppvir	TA	---	CGGAATTAC	ACCGGAACG	TTTAGCGCAT	GCGCCAA	---	TGGC	---	---
dppwil	AT	---	CGGAATTAC	ACCAGGAGTA	TTTAGCGCAT	GCGCTAA	---	TGGC	---	---
dppyak	AG	---	TGGAATTAC	ACCAGGACCG	TTTAGCGCAT	GCGCTAA	---	TGGC	---	---

