

```
1
zenana ----- TTGGAAAT ----- TTATTTTAGC GGAAAAATATG TATTTTTTG --
zenere ----- GA GCTTTAGAAAG ----- TTA ACACCCCTTCA ATATCTAA--
zengri ----- AA ATGGTGTAAT ----- ATATTTATAA ATACTTTTATG ACAAATAC--
zenmel ----- AA GCTTTACAAT ----- ATCAATATAA AAACTAATTT ATGAATAC--
zenmoj ATAGGATATT TCTCAGGAAT ATTTTATAAT TCATATTGTA ATTAATTTTAA ACTCAATATA ATACAAAAAC
zenper ----- TCTGAACGAA AAOTCGCATG ----- GTTTTTTCCG AAAATCTTAT GAATTTTAAAC
zenpse ----- TTATATC -----
zensec ----- AA GCTTTTCAAT ----- ATTAATAAAA AAACGAAATG ATGTATAC--
zensim ----- CAAT ----- ATTAATAAAA AAACGAAATG ATGTATAC--
zenvir ----- AA CTTTTATAAA ----- TGAATGCTA ATGTCTATTTA ATATCA--
zenwil ----- CAGCGAC ----- GTATATATA ATCAAACTTA CGATCTAAAG
zenyak ----- TTAAG AGCTTCGAT TTCTACGCAT TGCAGTTTCA TAATTTTGCTT ATATTTTCA--

71
zenana ----- TTT TAAA ----- TAAA AGGATAA-AT ATAAAAATGTA TAGA-GATTG
zenere ----- TAT CTGA ----- TCCAT AACTGAGGAG ATGAAATGAA TAAT-ATTCT
zengri ----- TAT TCAA ----- T GATTATATTT AATATTATAA CGTATAAAAA ATAATATAAAA CAATTAGTTT
zenmel ----- TTT GCGA ----- TATCTCGC GATATTTGAA AGATGCATAG ATGCTATAAAA TTAT-CTTCA
zenmoj AAAATAAATCT TTAATAGCTA TTATATAAT AACAATTCAT ATAAGAGCTA ATGT-TCCCA TTATTATTTT
zenper ATGCACTTTT ATGGGCCCGG TTATCTCTCC GCTCGCACAT -----GC ATGTCGTAAA ATCTGATTTCG
zenpse ----- AATAT ATCATATATA AAATTAATTT
zensec ----- TTT GCGA ----- TATCTCGC GATATTTGAA AGACGAA-AG ATGATATAT -----GTTCT
zensim ----- TTT GCGA ----- TATCTCGC GATATTTGAA AGACGAA-AG ATGATATAT -----GTTCT
zenvir ----- TTC TTTA ----- TCTTTT AATAATTTAA AAACTTTATA ATAAATTGCA TACCCATTAT
zenwil GATCGTCTT TTTA ----- TTTT AATAATTTAA ATACCTTTAA TGATCTTATT
zenyak ----- TCC TTAACCTTGCA TTATCTCTCC GCCATCTAAG A-----AG ATAATTTTAAA TAGT-ATTTT

141
zenana GAAATTGTTT A----- TAAGAT TATAATTATGA TATAGTTATT AAT----- TATAGGTAT
zenere TAAAGGGTAC AT----- TACAAA TATATCCTTA TTAGTTCAAT AAT----- AATAGTAAT
zengri TAAATTATGC AT----- ATCTGG CACATATTTA ATATTTTAAT AA----- AT
zenmel TAAATGGCGG AT----- TAAA----- A GIAGTTTATT AAT----- TATAGTAGT
zenmoj AGGTCCGCTT ATCAAT----- TAATAT CAAAAATAA AAAATATATT AATATTATAA GTGCAATAAT
zenper CGATATTTCT ACGAAACCGG CGAGTCGTAA AATATTTTGG CACCACCAGC AGC----- TGCCTGTGT
zenpse TAGAATTTTT CT----- ATAA TATATCAAAA G----- GAT----- CACAATCAT
zensec TAAAGGGGCG AT----- TAAAA----- A GTAGTTTATT AAT----- TATAGTTGT
zensim TAAAGTGGCG AT----- TAAAA----- A GTAGTTTATT AAT----- TATAGTTGT
zenvir TTCTGTGCTT GT----- TGAAT GTTA----- AAC----- TATAATTAT
zenwil TCATCGATTA AT----- TATTACTTAA ATAGCTGAGT AAT----- TGGAGT-GT
zenyak TAAAGGATAC AT----- TAAAAA TATATCCTAA GTAGTTCTTT AAT----- TG-AGTAAT

211
zenana TAA---ATAT AG-TTAAAAAT ATTAAATTTA ATTATACAGG TATTCAGCTA AAAAAAATCA TA-TGAAG--
zenere TAA---AC-T AG-GTGTGAT G-----A AAGGCATAGG -----A AAACAAGTCT AAATATAA--
zengri TAAAGATACAT CACGTGCAAG A----- A-----I TAATAAGG--
zenmel TAA---AC-T AG-GTGTGAT G-----A AGGGCACAGG -----A AAACAAGTCT TG-TGATA--
zenmoj ACA---ATTG AATTTATCT AAAGAAATATA TGTACATATA AGTATAATTG AAGATTTTTAT TAATATCGCT
zenper TTATATAGTT AG-CTGATCC GOTGAACCTG AACATATCCG -----CGACCCG CACCGATCGG
zenpse TTA---AAGT AGTATAAAAT A-----T ATTATATTTT TTTCCTATAT GTACATATTT CGATTATG--
zensec TAA---AC-T AG-GTGTGAT G-----A AGGGCATATG -----A AAACAAGCAT CG-TGATA--
zensim TGA---AC-T AG-GTGTGAT G-----A AGGGCATATG -----A AAACAAGCAT CG-TGATA--
zenvir TGG----- CAATTA AATCTTTTGT CAATAATA--
zenwil CGA-----TCAT ACAAATCCCT TTTAGACAGA CTGACTTTAT AAAACTGTTG TACTAATT--
zenyak TAA---TCT AG-GTGTGAT G-----A AAGGCATAGG -----A AAACAAGTCT AACTGATA--

281
zenana -----TGTA AG-AATGGTT T-----GATT -----GGT-----TTTT CCCAAAAACC AA-----CCCATC
zenere -----GTA AG-AATGGAT TCTGAGCTT -----GGT-----TTTT -----CCC AG-----CACATC
zengri ----- AG-CACGGAG CTGCACATT -----GGC----- TCC -----G-CGCCCC
zenmel -----AGTA AG-AATGGAT TCAGAGCTT -----GGT-----TTTT -----CCC AG-----GACATC
zenmoj TTAGTTAAGA AA-TATAGCA TATTTATTTT TATTTATAAT AAAT-----TTTC CATCTGAGTC AA-----TACCAA
zenper GCTGTGTGTG TG-CACTATT T-----AGGTA -----GGCCGTGTA CAGGCTGACG AG-----GGCGCC
zenpse -----CTCTAAA AA-GATTCAT TCTTCCTTT -----GGGAATTTG CCCCGCACAC AACCCACATC
zensec -----AGTA AG-AATAGAT TCTGAGCTT -----GGT-----TTTT -----TCC AG-----TACATC
zensim -----AGTA AG-AATGGAT TCTGAGCTT -----GGT-----TTTT -----TCC AG-----CACATC
zenvir -----AATA -----AACT -----TCTTATTTG ACAATAATCA CATGCGCAAT
zenwil CTTGAAATTA AATCATAACT TATTTATTT -----GCCATTCTC AATCATTTTC TA-----GATATC
zenyak -----AGTA AG-AATGGAT TCTGAGCTT -----GGT-----TTTT -----CCC AG-----CACAA
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351

zenana	G	---	ATA	ATCCACC	---	---	---	TCTT	AAAAAGCGGCC	CATTTCTTCG	CGCCAAGGAG
zenere	C	---	ATA	ATCCACC	---	---	---	TACT	AAAAAGCGGCC	---	---
zengri	CCG	---	GCA	GTCATC	---	---	---	CAAT	TACACAAAGC	---	---
zenmel	C	---	ATA	ATCCACC	---	---	---	TACT	AAAAAGCGGCC	---	---
zenmoj	TTATACAATA	ATCTGTC	---	---	---	---	ATTA	TGCGCGCCCC	CTTTCTGGTT	CCTCCAGTTA	
zenper	GTCAGCGCTG	GTCGGCA	---	---	---	---	GGCC	AACTTGTA	TGTTGCCTCA	ATTTTC	
zenpse	CATCGGAATA	ATCCACC	---	---	---	---	TTTG	AGAAGCGGCC	CATTTCTGTT	GGGC	
zensec	C	---	ATA	TCCACC	---	---	---	TACT	AAAAAGCGGCC	---	---
zensim	C	---	ATA	ATCCACC	---	---	---	TACT	AAAAAGCGGCC	---	---
zenvir	T	---	CT	ATCTGGC	---	---	---	ATTT	GGCGCGCCCC	CGTTTACTTC	CTCCAATTAT
zenwil	TCATAATACA	ATCCAATCAA	ATTAATCCTT	ATATTATATG	---	---	---	TTTACGCGCC	CCTTTGCCAC	GTTGGAAACG	
zenyak	C	---	ATA	ATCCACC	---	---	---	TACT	AAAAAGCGGCC	---	---

421

zenana	CAAG	---	---	ATCAATAA	AAGTTTCCGA	T-ATGGGAGA	AAC	---	CCAATCGAC
zenere	CAAG	---	---	ATCAATAA	AAACTCCAGA	A-CTGGGAGA	AAC	---	CCAATT-CC
zengri	---	---	---	GTCAATAA	AA- -TTGCA	T-ATGGGAGA	AAC	---	CCAAGTTTA
zenmel	CAAG	---	---	ATCAATAA	AAACTCTATA	A-CTGGGAGA	AAC	---	CCAATCAAT
zenmoj	ACAACAAATG	ATTAGGGAAC	GAGTCAATAA	AA- -TTGCA	T-ATGGGAGA	AAC	---	CCATGTTTC	
zenper	---	---	TTTGATAAT	AAATTTATGGA	AAATCCGGGA	AAC	---	CAAAACGCT	
zenpse	---	---	TTCAATAA	AAA- - - -	- -TTGGGAAA	CAC	TTGGAATT	TCCAATCGAG	
zensec	CAAG	---	---	ATCAATAA	AAACTCTAGA	A-CTGGGAGA	AAC	---	CCAATCAAC
zensim	CAAG	---	---	ATCAATAA	AAACTCTAGA	A-CTGGGAGA	AAC	---	CCAATCAAC
zenvir	ACAA	---	AT	ATGTGCGAAC	GAGTCAATAA	AA- -TTGCA	T-ATGGGAGA	AAC	---
zenwil	CGAAACAAA	---	---	CTCAATAA	AA- -TTGTA	TGATGGGATA	AAC	---	CCAGAATTTC
zenyak	CAAG	---	---	ATCAATAA	AAATTTCCAGA	A-CTGGGAGA	AAC	---	CCAATCAAC

491

zenana	ATTTCGTTTCAT	GT- -AGAGTA	CGTT- -TTGGT	TTTCTGGATT	TTCCATAAATT	TATATCAAAG	AAAAT-AGAG
zenere	ATTTCGTTTCAT	GT- -AGACAG	CGTT- -TTGGA	CTTCTGGATT	TTCCAAAAC	TATATCAAAG	AAAAT-AGGG
zengri	GTTCTTTTCAT	GC- - - - -	TA	ATTTCGGATT	TCCCGTATTT	TATATCAAAG	AAAAG-TGCT
zenmel	ATTTCGTTTCAT	AT- -AGGCC	CGTTATTTGGA	CTTCTGGATT	TCCCAAACT	TATATCAAAG	AAAAT-AGGG
zenmoj	ATTCTTTTCAT	GC- - - - -	AA	ATGTTGGATT	TTCCATATTT	TATATCAAAG	AAATG-TGCT
zenper	CTCTTTACAT	GAAGGAATCT	CGAT- -TGGAA	ATTCCAGTGT	TTCC-CAATT	TTTATTTGAAG	---
zenpse	ATTTCGTTTCAT	GTAAAAGAGAG	CGTT- -TTGGT	TTCCCGGATT	TTCCATAAATT	TATATCAAAG	AAAAT-TGAG
zensec	ATTTCGTTTCAT	GT- -AGGCCG	CGTTATTTGGA	CTTCTGGATT	TTCCAAAAC	TATATCAAAG	AAAAT-AGGG
zensim	ATTTCGTTTCAT	GT- -AGGCCG	CGTTATTTGGA	CTTCTGGATT	TTCCAAAAC	TATATCAAAG	AAAAT-AGGG
zenvir	ATTCTTTTCAT	GC- - - - -	AA	ATGTTGGATT	TTCCAGTTT	TATATCAAAG	AAATG-TGCT
zenwil	GTTTCGTTTCAT	GACAGAAAA	---	TTGTA	CTTCTGGATT	TTCCATAAATT	TATATCAAAG
zenyak	ATTTCGTTTCAT	GT- -AGACAG	CGTT- -TTGGA	ATTCTGGATT	TTCCAAAACA	TATATCAAAG	AAAAT-AGGG

561

zenana	GCAACAAGT	---	TGC	---	CTG	---	---
zenere	GCAACAAGT	---	TGC	---	CTG	---	---
zengri	GCAACAAGT	---	TGC	---	CTGCT	---	---
zenmel	GCAACAAGT	---	TGC	---	CTG	---	---
zenmoj	GCAACAAGT	---	TGC	---	CTGCTTGG	CAAGAGCCGA	GTCTACGTTT
zenper	CCAACAGAA	---	---	---	ATG	---	---
zenpse	GCAACAAGTA	CAAGTTGGCC	TGCCGACCAG	CGCTG	---	---	---
zensec	GCAACAAGT	---	TGC	---	CTG	---	---
zensim	GCAACAAGT	---	TGC	---	CTG	---	---
zenvir	GCAACAAGT	---	TGCCCTGGTTG	GTCCG	---	---	---
zenwil	GCAACAAGT	---	TGC	---	CTG	---	---
zenyak	GCAACAAGT	---	TGC	---	CTG	---	---

631

zenana	---	CGGAC	---	GCGGAGCGT	TAGCCGC	CCGTACAGT	---
zenere	---	ACGGC	---	GCC- -CGCGA	GAGCTGC	CTGTACAGT	---
zengri	TTGAGGC	---	---	GCTCTGTAG	GGGCAGC	ATGTGCACA	CCCGGTCGGG
zenmel	---	GCGGC	---	GCCCCGCGA	GTGCTGC	CTGTACAGT	---
zenmoj	GCAACGGC	---	---	GCTTCG	GAGCCAGCGA	GTGAGCACA	CCCGGCGGGG
zenper	---	GGC	---	---	---	---	AGCCA
zenpse	---	ACGGC	---	GCC- -CAGCT	CAGC	CTGTACAGG	---
zensec	---	GCGGC	---	GCCCCGCAA	GAGCTGC	CTGTACAGT	---
zensim	---	GCGGC	---	GCCCCGCGA	GAGCTGC	CTGTACAGT	---
zenvir	---	GCGGC	---	GGCGCTCGG	TGCCAGCAGA	GATGAGCACA	CCCGGCGGGC
zenwil	---	TCCGCCCCG	CTTGCCCTGCC	TGCCACCCAA	GAAAAACCAA	GTCTTACAG	AGTTGTGGCA
zenyak	---	GCGGC	---	GCCCCGCGA	GATCCGC	CTGTACAGT	---

701

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zenana  -----GCCTA  CCTAAG-----  TAGTGGG  GCC-CAGGA-----  CGAG  ACAGC-----G  ATA-----GG
zenere  -----GCCTA  CCTAAA-----  TAGTTTCG  ACCGAGGGA-----  GGAT  CGGGC-----G  ATA-----GG
zengri  A-----GCCTA  CCTAAA-----  TAGTTCA  AGCCAGGTA-----  -----  -----G  ATA-----
zenmel  -----GTCTA  CCTAAA-----  TAGTGGG  ACCGCGGA-----  GGAT  CAGGC-----G  ATA-----AG
zenmoj  -----GCCTA  CCTAAG-----  TAGTTCA  G-----  -----  -----G  GCA-----
zenper  -----GCGTT  CTCAAAAGGTG  GATTATTCG  ATG-----  -----  -----G  ATG-----TG
zenpse  -----GCCTA  CCTAAA-----  TAGTGCA  CACACACAGC  CGCATCGGTT  CGGGTCGGCG  ATATGTTTCAG
zensec  -----GCCTA  CCTAAA-----  TAGTGGG  ACCGCTCGA-----  GGAT  CAGGC-----G  ATA-----AG
zensim  -----GCCTA  CCTAAA-----  TAGTGGG  ACCGCTCGA-----  GGAT  CAGGC-----G  ATA-----AG
zenvir  TCTCAGCCTA  CCTAAA-----  TGGTTCA  GATCAGGTA-----  -----  -----G  ATG-----
zenwil  -----GCCTA  CCTAAA-----  TGGTTCA  AA-----  AGGT  TCTGAGGCTG  TGA-----GG
zenyak  -----GCCTA  CCTAAA-----  TAGTGGG  ACCGAGGGA-----  GGAT  CGGGC-----G  ATA-----AG

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771

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zenana  GTCGGCAGGA  CCAGGTAACTT  ATACA-----AA  CACAGGCAGC  TGG-----  -----  -----GCAAAAG
zenere  AGTAGC-GCT  GCAGGTAACT  AAGTA-----AA  CACAGGCAGC  TGGT-GATTT  -----  -----GCAAAAG
zengri  -----  -----T  AAACA-----CA  CACAGGCACC  TGGT-----  GGATTTTAAAT  TAAGCGCGAA
zenmel  AGTATGGGTT  TCAGGTAGGT  GAATA-----AA  CACAGGCAGC  TGGT-----  -----  -----GCAAAAG
zenmoj  -----GGT  AGAGGTA-----  AA  CGGAGGCACC  TGGTCTTCT  GGACTTAAAT  TAAGCGCGAA
zenper  GGTGTGTGTGC  GGGGGAAATT-----CC  CAAAGGAAGA  ATG-----  -----  -----AA
zenpse  GTTCAGCGGA  TCAGGTAACT  ATATA-----AA  CACAGGCAGC  TGCT-----  -----GGT  GGTGCCAAAA
zensec  AGTA-CGGAT  TCAGGTAGCT  GAGTA-----CA  CACAGGCAGC  TGGT-----  -----  -----GCAAAAG
zensim  AGTA-CGGAT  TCAGGTAGCT  GAGTA-----AA  CACAGGCAGC  TGGT-----  -----  -----GCAAAAG
zenvir  -----CACAT  CTAGGCATAG  GCATA-----GA  CATAGGCACC  TGGTCTTTA  GGACTTAAAT  TAAGCGCGAA
zenwil  TTCACAGGTA  GCCCGGACCT  ATCTATCGAT  CATTGGCACC  TGGT-CCTGC  TTGGTGGAA  TAAGCGTGAA
zenyak  AGTA-CGGAT  GCAGGTACCT  AAAA-----AA  CACAGGCAGC  TGGT-----  -----  -----GCAAAAA

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841

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zenana  -----  -----C  GATTGCGGG  AATTCGCGGA  AATATGGCGA  ATCATATTTT  ATGG-----C
zenere  TTTT-----  -----AT  GAGCCGCGGG  TGTTCGCGGA  AAAATCGCGA  ATCATATTTT  ATGG-----C
zengri  TTTT-----  -----AT  TATGCGCAT-----TTCGCGGA  AAATTCGCGG  ATCCGATTTT  ATTTG-----C
zenmel  TTTT-----  -----AT  GATCCGCGGG  TGTTCGCGGA  AAAATCGCGA  ATCATATTTT  ATGG-----C
zenmoj  TTTT-----  -----AT  TATGCGCGA-----TTCGCGGA  ATATTCGCGG  ATTTGGATTT  ATTTG-----C
zenper  TCTTTTATAGA  GCATAAATGA  AATACATATG  TATATGAAAA  AAA-----TAT  AATATATTTT  ATACTATTTT
zenpse  TATTTT-----  -----AC  GACTCGCGGG  T-TTCGCGGA  AATATCGCGA  ATCAGATTTT  ACGA-----C
zensec  TTTT-----  -----AT  GATCCGCGGG  TGTTCGCGGA  AAAATCGCGA  ATCATATTTT  ATGG-----C
zensim  TTTT-----  -----AT  GATCCGCGGG  TGTTCGCGGA  AAAATCGCGA  ATCATATTTT  ATGG-----C
zenvir  TTTT-----  -----AT  TATGCGCAT-----TTCGCGGA  ATATTCGCGG  ATCGGATTTT  ATTTG-----C
zenwil  TCTTTATGAC  TGTCTCGGAC  GAAGCGGTG-----TTCGTTGG  AAATTCGCGG  ATCGAATTTT  ATGGATCAAC
zenyak  TTTT-----  -----AT  GATCCGCGGG  TGTTCGCGGA  AAAATCGCGA  ATCATATTTT  ATGG-----C

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911

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zenana  CGGCATGTGT  GAGT-----  ATGTG-----  -----CCAT  -AA-----  -----AG-  T  GAGTTTTTAA
zenere  AGGCATGTGT  GAGT-----  ATGTG-----  -----CCAT  -AA-----  -----AG-  T  GCATTTTTTAA
zengri  ACACATGTGC  -----  CTGTG-----  -----GCGT-----  -----AT-  T  CCAGCTTCAA
zenmel  AGGCATGTGT  GAGT-----  ATGTG-----  -----CAAT  -AA-----  -----AG-  T  GCATTTTTTAA
zenmoj  ACACATGTGC  -----  CTGCG-----  -----CCTCAT  AAA-----  -----AGATT  CTCTTTTTTAA
zenper  AAATGATTGT  GATCCTTTTG  ATATA-----  -----TTAT  AAA-----  -----AAATT  CTAAAAATTAA
zenpse  ATGCATGTGC  GAGC-----  ATGTG-----  -----CCAT  -AA-----  -----AG-  T  GCATGTTTAA
zensec  AGGCATGTGT  GAGT-----  ATGTG-----  -----CCAT  -AA-----  -----AG-  T  GCATTTTTTAA
zensim  AGGCATGTGT  GAGT-----  ATGTG-----  -----CCAT  -AA-----  -----AG-  T  GCATTTTTTAA
zenvir  ACACATGTGC  -----  CTGCGCATCA  -----TCAT  AAA-----  -----AGGTT  TCTTTTTTAA
zenwil  ACACACGGTC  GCAT-----  GTGTG-CTCA  CACATATCAT  AAAAAATTAA  ACACTAGGTA  CAAATTTTTAA
zenyak  AGGCATGTGT  GT-----  ATATG-----  -----CCAT  -AA-----  -----AG-  T  AAATTTTTTAA

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981

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zenana  ATTCATA-----  AGATT-----  -----  -----TTCGGGAA  AACCAGCTAC  AGTT-----  -----TTCT
zenere  ATTCATA-----  AGATT-----  -----  -----TTCGGGAA  AACCAGATAC  TGT-----  -----TTCT
zengri  ATTCATA-----  AGATT-----  -----  -----TTCGGGAA  AACCAGCTAC  AGTT-----  -----TTCT
zenmel  ATTCATA-----  AGATT-----  -----  -----TTCGGGAA  AACCAGATAC  TGT-----  -----TTCT
zenmoj  ATTCATA-----  AGATT-----  -----  -----TTCGGGAA  AACCAGCTAC  AGTT-----  -----TTCT
zenper  ATTTATATTT  GATATATTGC  TATAATGTAT  TGTGCGGTAA  ATATGGATAC  AACTAAAGGG  TATCAATTGG
zenpse  ATTCATA-----  AGATT-----  -----  -----TTCGGGAA  AACCAGCG-  AGTT-----  -----TTCT
zensec  ATTCATA-----  AGATT-----  -----  -----TTCGGGAA  AACCAGATAC  TGT-----  -----TTCT
zensim  ATTCATA-----  AGATT-----  -----  -----TTCGGGAA  AACCAGATAC  TGT-----  -----TTCT
zenvir  ATTCATA-----  AGATT-----  -----  -----TTCGGGAA  AACCAGCTAC  AGTT-----  -----TTCT
zenwil  ATTCATA-----  AGATT-----  -----  -----TTCGGGAA  AACCAGCTAA  AAAT-----  -----TTCT
zenyak  ATTCATA-----  AGATT-----  -----  -----TTCGGGAA  AACCAGATAC  TATT-----  -----TTCT

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1051

zenana	TTCAT						
zenere	TTCAT						
zengri	TTCATCGAAC	GTTTGTTGCA	TGCAGCATTC	AACLTGCGTA	CAAAAGCTCA	TAACCCTAAT	ATGCATTTTC
zenmel	TTCAT						
zenmoj	TTCATCGC						
zenper	TTTAG						
zenpse	TTCAG						
zensec	TTCAT						
zensim	TTCAT						
zenvir	TTCATTGCAC	G					
zenwil	TTCATCAG						
zenyak	TTCAT						

1121

zenana							
zenere							
zengri	GTACTTTTAC	TTAGTCATAT	TTATCGCAAT	GTATAATATA	TTATGGCATA	TAATCAAAAT	TATTTCCCCA
zenmel							
zenmoj							
zenper							
zenpse							
zensec							
zensim							
zenvir							
zenwil							
zenyak							

1191

zenana							
zenere							
zengri	TCATATAGTT	CAAATTTCAA	CTTTTAAAAA	GCTTCATGCT	TTAAGTATTC	TCGATTCCTT	GTACTTATTT
zenmel							
zenmoj							
zenper							
zenpse							
zensec							
zensim							
zenvir							
zenwil							
zenyak							

1261

zenana							
zenere							
zengri	ACGAATTTTAA	ATAACTTTTAC	AAGATCGTCT	TACTCGATAG	ATTTAATAGC	ACCTCATAAT	ATGTATTTTAA
zenmel							
zenmoj							
zenper							
zenpse							
zensec							
zensim							
zenvir							
zenwil						CCAAGA	GTGTGGTAC
zenyak							

1331

zenana			CCGTACCA	GGAC			
zenere			TCTAGA				
zengri	TTAATACTAA	TCGAAC TGAA	GTCTGTTCAA	GGACAGCGTA	TCTTTAAAGC	TTAAGAGCAT	AGTGT TAAAC
zenmel			TCTAGA				
zenmoj							
zenper	CAT	TTGATATAAG	ATATAAAGAA	GTCT			
zenpse			AA	AGAT			
zensec			TCTAGA				
zensim			TCTAGA				
zenvir							
zenwil	GTGCCCCA		CTTGCATAC	ATCTAGGACA	TCTACG		
zenyak			TCTAGAAAG	AG			

zenana	-----	-----	-----
zenere	-----	-----	-----
zengri	ATATATTGTA	GTTTATAAGA	TTTATTAAA
zenmel	-----	-----	-----
zenmoj	-----	-----	-----
zenper	-----	-----	-----
zenpse	-----	-----	-----
zensec	-----	-----	-----
zensim	-----	-----	-----
zenvir	-----	-----	-----
zenwil	-----	-----	-----
zenyak	-----	-----	-----