

ZbGAS1	ATGTTATTCCAGGCGTTTTTCGACCCTCGCACTTGGTGCACTATACGCTGCCTCCGGTGC	59
ScGAS1	ATGTTGTTTAAATCCCTTTCAAAGTTAGCAACCGCTGC- - - - -TGCTTTTTTTTGCTGG	53
ZbGAS1	AGTTGCAGCCAGTAGCAGCAGTGCTACCAAACCTTCAGCAATTGAAGTTGCTGGTAACA	118
ScGAS1	CGTCGCAAC- - - - -TGCGGACGATGTTCCAGCGATTGAAGTTGTTGGTAATA	100
ZbGAS1	AGTTCTTCTACTCGAACAACGGTTCTCAATTTTACATCAAAGGTGTTGCATACCAGGCC	177
ScGAS1	AGTTTTTCTACTCCAACAACGGTAGTCAGTTCTACATAAGAGGTGTTGCTTATCAGGCT	159
ZbGAS1	GACACGGCTAACTCATCTTCTGATGACAGCATCGACGATCCATTGGCCGACTACTCCAA	236
ScGAS1	GATACCGCTAATGAAACTAGCGGATCTACTGTCAACGATCCTTTGGCCAATTATGAGAG	218
ZbGAS1	ATGTTTCGAGAGATATTCCATATTTGCAGAAGTTACAGACCAATGTTGTTTCGTGTCTACG	295
ScGAS1	TTGTTCCAGAGATATTCCATACCTCAAAAAATTGAACACAAATGTTATCCGTGTCTACG	277
ZbGAS1	CAGTTAACACAACCTTTGGACCACAGCAAGTGATGGAAGCTCTAGCTGACGCTGGTATT	354
ScGAS1	CTATCAATACCACTCTAGATCACTCCGAATGTATGAAGGCTTTGAATGATGCTGACATC	336
ZbGAS1	TACGTCATTGCAGACTTGTCCACCCCAGCTGACTCTGTTAACAGAAATGACCCTACTTG	413
ScGAS1	TATGTCATCGCTGATTTAGCAGCTCCAGCCACCTCTATCAATAGAGACGATCCAACCTTG	395
ZbGAS1	GGATATCGCACTATAACCAGCGTTACACTGGCGTGGTGGACGCTTTTGCTAACTACACAA	472
ScGAS1	GACTGTTGACTTGTTCAACAGCTACAAAACCGTTGTTGACACTTTTGCTAATTACACCA	454
ZbGAS1	ACGTGTTGGGTTTCTTTGCCGGTAACGAAGTGACCAACAATGCTAGTAACACTGATGCA	531
ScGAS1	ACGTTTTGGGTTTCTTCGCCGGTAATGAAGTTACTAACAATTACACCAACACAGATGCA	513
ZbGAS1	TCTGCCTTTGTGAAGGCTGCCGTTAGAGACGTTAAGCAGTACATCAAGGACAAGAAATA	590
ScGAS1	TCTGCTTTCGTGAAGGCAGCTATTAGAGACGTCAGACAATACATCAGCGACAAGAATA	572
ZbGAS1	CAGAACAAATTCCTGTTGGTTACTCCTCCAATGATGACGAGGACACCAGAGTTGCTATGG	649
ScGAS1	CAGAAAAATTCAGTTGGCTACTCTTCCAATGATGACGAAGATACCAGAGTTAAGATGA	631
ZbGAS1	CTGACTACTTTGCTTGCGGTGACGAAGACCAAAAGGCTGATTTCTACGGTATTAACATG	708
ScGAS1	CTGATTATTTTCGCTTGTTGGTGATGATGATGTTAAGGCTGATTTTACGGTATTAATATG	690
ZbGAS1	TACGAATGGTGTGGTGACTCAACCTACCAGAAATCTGGTTACCAGGACAGAACCAATGA	767
ScGAS1	TATGAATGGTGTGGTAAATCTGACTTCAAAACTTCTGGTTATGCTGATAGAACTGCAGA	749
ZbGAS1	CTTCAAGAATTTGTCGATCCCTATCTTCTTCTCTGAGTACGGTTGCAACGCTGTCACTC	826
ScGAS1	ATTCAAAAACCTTATCTATTCCTGTTTTCTTCTCTGAATACGGTTGTAACGAAGTAACAC	808
ZbGAS1	CAAGAAAGTTTACCGAGGTTCAAGACTCTTTACGGTGATCAGATGACTGATGTGTGGTCC	885
ScGAS1	CAAGACTATTTACTGAGGTTGAAGCCTTGTACGGTTCTAATATGACAGATGTCTGGTCT	867
ZbGAS1	GGTGGTATTGTTTACATGTATTTCGAAGAGACCAACAAGTACGGTTTGGTCAGTATTGA	944
ScGAS1	GGTGGTATCGTATACATGTACTTCGAAGAGACTAACAAATACGGTTTAGTTAGCATCGA	926
ZbGAS1	TGATGATCAGGTCAAGACTTTGACTGACTTCGACAACCTTGTCGAGCCAGATGGCCAAGA	1003
ScGAS1	TGGTAATGATGTTAAAACTTTGGATGACTTCAACAACCTATTCTTCTGAAATCAACAAA	985
ZbGAS1	TCTCTCCAAGTGCTGCCAAGAACTCTTCTTACACTGCCAAGAGCACTTCTCTATCTTGC	1062
ScGAS1	TATCACCAACTTCGCCAACACAAAGTCTTACAGTGCAACAACAAGTGATGTTGCTTGT	1044
ZbGAS1	CCAGCCACCGGCAAGTACTGGAAAGCTAACACCAAATTGCCACCTACCCCAAGCAAGGA	1121
ScGAS1	CCAGCTACTGGTAAGTACTGGTCCGCTGCAACAGAATTACCACCAACTCCAAACGGAGG	1103
ZbGAS1	CCTCTGTACCTGTATGGAAGACTCCTTGTCTGTGTTGTGGACGATAAGGTTGACGAAG	1180
ScGAS1	CTTGTGTTTCATGTATGAATGCAGCCAATAGTTGTGTTGTTTCCGATGACGTTGATTCTG	1162
ZbGAS1	ATGACTACAGTGATTTGTTCAGTTACATCTGCTCGAAGGTGGACTGTTCTGGTATTACC	1239
ScGAS1	ATGATTACGAAACCTTATTTAACTGGATCTGTAATGAAGTCGACTGTAGCGGTATTTCA	1221
ZbGAS1	GCCAACGGTACTAGTGGTAAATATGGTTCTTACTCTTTCTGCTCTGCCAAGGAGCAGCT	1298
ScGAS1	GCAAACGGTACCGCCGGTAAGTATGGTGCTTACTCTTTCTGTACACCAAAGGAACAGCT	1280
ZbGAS1	ATCCTTTGTCATGAACTTGTATTACGAGAAGAACGGTGGTAGCAAGTCTGACTGTAGCT	1357
ScGAS1	ATCTTTCGTTATGAATTTGTACTACGAGAAGAGTGGTGGTAGCAAATCTGACTGTAGCT	1339
ZbGAS1	TCAGTGGTTCTGCCAGCTTGAAGTCTGCCACCACCAAGTCTGCCTGTTCTCTGCTTTG	1416
ScGAS1	TCAGCGGTTCTGCCACTCTACAAACTGCCACCACGCAAGCTAGTTGCTCCTCCGCTTTG	1398
ZbGAS1	AAGCAGATTGGTAGCTCCGGTCTAGGCTCTGCCAGCAAAAGTGTCCTGGTTCCGCCTC	1475
ScGAS1	AAAGAGATTGGTAGTATGGGTACCAACTCTGCATCAGGTAGTGT- - -TGATTTGGGTTT	1454
ZbGAS1	TGGCTCCTCCTCTGGCTCATCTTCTGCTTCTGGTTCTTCTGAATCTTCTCTGGCAAGG	1534
ScGAS1	CGGAACTGAATCCAGTAC- - -TGCCTCTTCTAACGCTTCGGGGTCTTCTTCCAAGTCTA	1510
ZbGAS1	GTTCTAGCTCCAGTAAGGGTGGTGACTCTTCCTCTAGTTCCAAGAAGAGCTCAAGTACA	1593
ScGAS1	ACTCCGGCTCTTCTGGTTCTTCCAGTTCTTCTTCTTCTTCTTCTTTCAG- - -CTTCATCTTCA	1566
ZbGAS1	GCTAGCACCAAGGAAAAGAACTTTGCTGCCGCTTCCAAGGCTAGTCTGTCTCAGGTAAT	1652
ScGAS1	TCTTCTAGCAAG- - -AAGAATGCTGCCACCAACGTTAAAGCTAACTTAGCACAAAGTGGT	1622
ZbGAS1	CCTATCCTTCGTGGCCACTTTGGGTGTGGTCGCCGGTGCTGGATTTGCTTTGGCTTGA	1710
ScGAS1	CTTTACCTCCATCATTTTCTTATCCATTGCCGCTGGTGTCGGTTTTGCTTTGGTTTAA	1680