**Gasz[KO]**

LOCUS Gasz[KO] 4108 bp ds-DNA linear 07-MAY-2020

DEFINITION .

FEATURES Location/Qualifiers

 misc\_feature 1..1015

 /label="genomic region upstream of Gasz"

 misc\_feature 2965..2967

 /label="K>E"

 misc\_feature 1118..1177

 /label="GASZ\_exon1"

 misc\_feature 1178..1383

 /label="3xP3-hsp70"

 misc\_feature 2926..3925

 /label="right homology arm"

 misc\_feature 1178..2925

 /label="3xP3xP3-RFP"

 misc\_feature 178..1177

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 CDS 1411..2088

 /label="RFP"

 misc\_feature 2926..3051

 /label="GASZ\_exon5"

 misc\_feature 2113..2925

 /label="tubulin-alpha-1 3'UTR"

 misc\_feature 3052..3480

 /label="GASZ\_3'UTR"

 misc\_feature 3394..3395

 /label="deleted"

 misc\_feature 1022..1117

 /label="GASZ\_5'UTR"

 misc\_feature 3481..4108

 /label="genomic region downstream of Gasz"

ORIGIN

 1 GAGCAGGCTG AACGGCAGCT AGCCAAAACG GAGCAACAGC TCTCCAAAAC GGAGCGAAAG

 61 CTGCTGGGAC AGACCAACGA GCGACGTGGT TGGTTCCAGA CGAAACAGCA ACGCGAGGCG

 121 GAGAAGGATC GCTTAGCGTT GACAACCGGC GACGAGGATA AAGCATCTGG TGGAAAGGGT

 181 AAGGGAAAAA CGGCCGGAAA GCGTAAGCGA CCCGAGTACG GAGGCGATGG CGAGGATGGA

 241 CCACCGGTCA AGGATCTCGA GGCAAAGCGC AACAAGAAGA AGAAGGAGGA GCCTCGAAAG

 301 AAGACACCGG AGCAGCTGGC CAAAGAGCGA GCCATGAAGG AGATCGAGAA GGTGTCCCTT

 361 GTGCGCGCCA AGATGGCCAA GCTGCGCAAA CGTCCGGGCA AACTAGGAGC CGCCACCGAA

 421 GTTCACAGAA GCGGTGCCTC CGACGGCAAA CCCAAGCGAC GCGGCGGTCA GTCGGCATTT

 481 ACTAACGACT TGACCGATGT AAGTCGTGGC GGAGCTCTGC GTCTAAGGTG AGTAGCTCTT

 541 TCTCGCTTTT CGTTGATAGT TGTTCTAATT TTGTACACCC TTTTCCAGGT CCGAGGCCAA

 601 TCGGCACAAA AAGATGACCA AGATCGCTGC TAAGAAAAAG GCGAGCAGTG TGAAGCTGAC

 661 AAACAAGGCG GGAAAGAATA AGTTCAACAA GGGCAAGAAC TTCGGAGGAC CTCGTCACGC

 721 CAAGAAGGAT AAAAAGAAGT AGAGCTGCAA ACTACGCTAT GTTAAATCGT ATACTTGTAA

 781 AATAAAACTT TTTCTTCTTT AAGGCATTTA ATTTTTTTAA TTTGCTTTAA ACATATGACA

 841 CCTCAAAACA AAATTGCGAA TCTGCATAAT CAGAGTGTTA AACTTTCTAA TATAACTGCA

 901 AATTTACTAT TGCTTAAATT AGTTTCGGTT ATCTTAATTT AGCTTAGTTT AAAAAGCGCG

 961 CCATGATATC GATAAAAATC GATTGTGCAA ACTTTTTCAG AACCTCGCCT CCCCTCACTA

 1021 GTTTTGTTTG CCATTTTCCT CCTTTCGCCT TTTTCCTGAA TTTGGCCACA ATTGTTGTGT

 1081 GCTTAAACTG CTAAATTAGG TTTATATAAG TACCTGTATG ATGAGCAACC TTTGCAAATA

 1141 CGGACCGCCC CCAGATTCCG ACTCTGATAG CAGCTACGGA TCTAATTCAA TTAGAGACTA

 1201 ATTCAATTAG AGCTAATTCA ATTAGGATCC AAGCTTATCG ATTTCGAACC CTCGACCGCC

 1261 GGAGTATAAA TAGAGGCGCT TCGTCTACGG AGCGACAATT CAATTCAAAC AAGCAAAGTG

 1321 AACACGTCGC TAAGCGAAAG CTAAGCAAAT AAACAAGCGC AGCTGAACAA GCTAAACAAT

 1381 CGGGCGGCCG CACTAGAGCC GGTCGCCACC ATGAGGTCTT CCAAGAATGT TATCAAGGAG

 1441 TTCATGAGGT TTAAGGTTCG CATGGAAGGA ACGGTCAATG GGCACGAGTT TGAAATAGAA

 1501 GGCGAAGGAG AGGGGAGGCC ATACGAAGGC CACAATACCG TAAAGCTTAA GGTAACCAAG

 1561 GGGGGACCTT TGCCATTTGC TTGGGATATT TTGTCACCAC AATTTCAGTA TGGAAGCAAG

 1621 GTATATGTCA AGCACCCTGC CGACATACCA GACTATAAAA AGCTGTCATT TCCTGAAGGA

 1681 TTTAAATGGG AAAGGGTCAT GAACTTTGAA GACGGTGGCG TCGTTACTGT AACCCAGGAT

 1741 TCCAGTTTGC AGGATGGCTG TTTCATCTAC AAGGTCAAGT TCATTGGCGT GAACTTTCCT

 1801 TCCGATGGAC CTGTTATGCA AAAGAAGACA ATGGGCTGGG AAGCCAGCAC TGAGCGTTTG

 1861 TATCCTCGTG ATGGCGTGTT GAAAGGAGAG ATTCATAAGG CTCTGAAGCT GAAAGACGGT

 1921 GGTCATTACC TAGTTGAATT CAAAAGTATT TACATGGCAA AGAAGCCTGT GCAGCTACCA

 1981 GGGTACTACT ATGTTGACTC CAAACTGGAT ATAACAAGCC ACAACGAAGA CTATACAATC

 2041 GTTGAGCAGT ATGAAAGAAC CGAGGGACGC CACCATCTGT TCCTTTAGCG GCCATCGAAT

 2101 TCGAGCTCGC CCACTAAGCG TCGCGCCACT TCAACGCTCG ATGGGAGCGT CATTGGTGGG

 2161 CGGGGTAACC GTCGAAATCA GTGTTTACGC TTCCAATCGC AACAAAAAAT TCACTGCAAC

 2221 ACTGAAAAGC ATACGAAAAC GATGAAGATT GTACGAGAAA CCATAAAGTA TTTTATCCAC

 2281 AAAGACACGT ATAGCAGAAA AGCCAAGTTA ACTCGGCGAT AAGTTGTGTA CACAAGAATA

 2341 AAATCGGCCA GATTCAGTGT TGTCAGAAAT AAGAAAACCC CACTATGTTT TTCTTTGCCT

 2401 TTTCTTTCTC CCAGCGATCA TTCATTTCGT GGTGAAAGAA CGGGGTCATT GCACGGAGTT

 2461 TCGACTGCGG GAAAGCAGAG CTGCCGTTCA CTTCGTCTAT AATTAGCGCT TTCTATTTTC

 2521 CCCGATTCGG GCCGCTGCTG CGCTTTTCCG CCTGCTGTTT GTGGCAAGTG TAGCAGCAGG

 2581 CTGTGCACGC AGTGTGGCAT GCACTTGGCT TTCCACCGTT GGTATCGATT CTCTGGGACG

 2641 ATGAGTCATT CCTTTCGGGG CCACAGCATA ATCGTTGCCA GCTCACCGAA ATGGTGACTT

 2701 CATTTCTTAA CTGCCGTCAA GCATGCGATT GTACATACAT ACATATTTAT ATATGTACAT

 2761 ATTTATGTGA CTATGGTAGG TCGATATAAT AGCAATCAAC GCAAGCAAAT GTGTCAGTCC

 2821 TGCTTACAGG AACGATTCTA TTTAGTAATT TTCGTTGTAT AAAGTAATTA TGTATGTATG

 2881 TAAGCCCCAT AAATCTGAAA CAATTAGGCA AAACCATGCG AAGCTTTCAT TGACTTCAAC

 2941 GAAATACTCG CAGAGCGAAA ACGCgAAAAG GTGCGCAGCT ACTTCAAGTA CACCACCATT

 3001 ATACTTGGAA TCTCAGTTTT CATTTGCCTC AAGTGCAAGT GGTTCTCATA GTATCCGCTC

 3061 AAGAACATTC CTCATATTAT TTCCAACGTT TACGAAGAAC GTGGTTTTCC TTACCGCTCT

 3121 GAACTGGCGG AATTTTTTTG CAAATCCAAA TAGTTTTAGG TTAAAGAAAA GTTTAACTCA

 3181 TATTTCGAAT CGAAGTTTAT CAATTGTTAT TTCTAACTGT TAGGAAACGC GTAATCTCTC

 3241 AATACATTTA ACAACCGTTT TCTCGTTAAG ACTATATATG TTAGAACGCA ATAGAAATAT

 3301 ATCAAACGTT ACCTCAAAGC TGATGAATAT ACCTGAAACT AAAAGAAACG AAATATTCAA

 3361 ATGTATGAAC TAAAGGTTAT GACGGAAAAC ACCATATATA TATATATTAA TACAACATCG

 3421 AATGTAAAAA TTGAAAAGAG TTATTTTTGT TAACCCATTA ATAAAGGAGT TGTTAACTAA

 3481 CCGGTCCGTT TTTCGTTTAG TTTTAAATTA AGTTATGTTT CTGCAATTTT TGTTCATTCG

 3541 TCGTTTTATA AACGAAGTGA TATCACAATT CAAATTTACC GCCTTACCGC ATAGACCGTT

 3601 TTATCTCTTG TATACTCCCG CGCAAACAAA CGGGCACACT ACTTTTTGTT TACATTAAAC

 3661 TTCGCGTGAA GATTTCCCGC CATGGCGGAA TATTTGCAGC CTGGAGTCAT CCGGAAGCTG

 3721 GACGAGGTGG TGGTGAACCG CATAGCCGCC GGCGAGATTA TTCAGCGACC CGCCAACGCC

 3781 CTAAAAGAGC TGCTCGAGAA CAGTTTGGAC GCCCAATCGA CCCACATCCA GGTGCAGGTG

 3841 AAGGCCGGTG GGCTGAAGCT GCTTCAAATC CAGGACAATG GCACaGGGAT ACGACGCGAG

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 3961 TCCCAGATAG CAACATTTGG CTTCAGAGGA GAGGCCTTGG CCAGCATTAG TCATGTGGCG

 4021 CACCTAAGCA TCCAGACCAA GACGGCTAAG GAGAAGTGCG GCTACAAGGC CACCTACGCG

 4081 GATGGCAAGC TCCAGGGTCA GCCGAAGC

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