SEQUENCE LISTING

<110> Agency For Science, Technology And Research

<120> MODULATING THE INTERACTION BETWEEN ZO-2/TJP2 AND A SNAIL ZINC FINGER TRANSCRIPTION FACTOR FAMILY MEMBER

<130> 9869SG1910

<150> Singapore Patent Application No. 201201458-5
<151> 2012-02-29

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<170> PatentIn version 3.5

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<211> 3552
<212> DNA
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<223> Zinc Finger Protein Scratch 1 of Homo sapiens

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<223> Zinc Finger Protein Scratch 2 of Homo sapiens

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<210> 16
<211> 4010
<212> DNA
<213> Artificial Sequence

<220>
<223> Zinc Finger Protein Scratch 1 of Mus musculus

<400> 16
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cggacagacg gacggacgga cagacctcct tcctaagcac aatagcacca gctcctcgga 3960

gcgccgcacc tccacgagga gaataaatgc cactcttgat agaatttgga 4010

<210> 17
<211> 3395
<212> DNA
<213> Artificial Sequence

<220>
<223> Zinc Finger Protein Scratch 2 of Mus musculus

<400> 17
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tctctctctg cgcctgtgtc cctctcactc tctcccctcc tgcttgctca ctgctcgttc 120

ctctctgcgc ctggcctgcc cccaccgccg gttcagggga acgtgtgcgg agcgattgtc 180

ctgggggaca tttgatggat tagagcgctg aacagttcca ttgctggggg accacctgat 240

ctcctccagc ctgcgtccca tataaagccg gcagccggag tgctgagcac agctacagcg 300

accgcctgtg tgcgcgccgc cgccgccgcc gtcgccgccg ccgccgcgcc cgagcggcac 360

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gctgtccagt gctgaagccg gcgccgacag ccaatcgcgc cggccggccg cctcccccac 480

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ccctggagac tgcctacgtg ctgcctggca cccgcgggcc tccgggggac aacggttatg 660

tggcgcactg tctgcccccc agcggttacg atggcgagca gaagcctggg ctggagctgg 720

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caattcaggg atattaaagg gactttggcc actca 3395

<210> 18
<211> 1713
<212> DNA
<213> Artificial Sequence

<220>
<223> Zinc Finger Protein SNAI3 (Smuc) of Homo sapiens

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accggcggct ggagacgcag agagaaatca atggtgcctg ctctgcctgt gggggggctgg 180

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tctccaggcc ctggttactg cagggccatg tccgcaccca cacaggggag aagccctatg 780

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gtacacacac gtgccctccc cacctcacta gactctccgg gagatggggc aggactggga 1560

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ccggtcagag cctcaggggg ctggggtctc agggcactca gcttcccagg caataacagc 1680

cgtggggtaa taaatggtct ctgcacacct gca 1713

<210> 19
<211> 1589
<212> DNA
<213> Artificial Sequence

<220>
<223> Zinc Finger Protein SNAI3 (Smuc) of Mus musculus

<400> 19
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gtccccaact acgggaaact ggagacactg agagaagcta atggctcctg ctctgcctgc 180

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gggcgcgcct tcacctgcag gtactgtgac aaggagtatg ccagcctggg tgccctcaag 660

atgcatatcc gcacccacac gctgccctgc atctgtaagg tgtgcggcaa ggccttctcc 720

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agagcctcca cgctcaggtc tcctgtctt 1589

<210> 20
<211> 19
<212> RNA
<213> Artificial Sequence

<220>
<223> si-Control for Example 12 (1st strand)

<400> 20
gcaacaguca guccgucua 19

<210> 21
<211> 19
<212> RNA
<213> Artificial Sequence

<220>
<223> si-Control for Example 12 (2nd strand)

<400> 21
uagacggacu gacuguugc 19

<210> 22
<211> 25
<212> RNA
<213> Artificial Sequence

<220>
<223> si-ZO-2 #2 for Example 12 (1st strand)

<400> 22
ccuaaagcug uggaccuguu gaauu 25

<210> 23
<211> 25
<212> RNA
<213> Artificial Sequence

<220>
<223> si-ZO-2 #2 for Example 12 (2nd strand)

<400> 23
aauucaacag guccacagcu uuagg 25

<210> 24
<211> 32
<212> RNA
<213> Artificial Sequence

<220>
<223> si-ZO-2 #3 for Example 12 (1st strand)

<400> 24
gcucuggcaa cuaaagaugg caaccugcac ga 32

<210> 25
<211> 32
<212> RNA
<213> Artificial Sequence

<220>
<223> si-ZO-2 #3 for Example 12 (2nd strand)

<400> 25
ucgugcaggu ugccaucuuu aguugccaga gc 32

<210> 26
<211> 507
<212> DNA
<213> Artificial Sequence

<220>
<223> Guanylate kinase (GUK) domain of ZO-2/TJP2

<400> 26
aagagacctg tggtcttatt tggccctata gcagatatag ccttggaaaa gttggcaaat 60

gagttaccgg acctgttcca aactgctaaa acggaaccaa aagatgcagg atccgagaaa 120

tctagtgggg tggtccggtt aaatactgtg aggcaaatta ttgaacagga taagcatgca 180

ctattggatg tgactcctaa agctgtggac ctgttgaatt atactcagtg gttcccgatt 240

gtgatttttt tcaacccaga ctctagacaa ggtgtcaaaa ccatgagaca gaggttgaat 300

ccaacatcca acaaaagttc tcggaagttg tatgatcaag ccaacaagct taagaaaacg 360

tgtgcacatc tttttacagc tactatcaac ctaaattcag ccaatgatag ctggtttggc 420

agcttgaagg acacaattca gcatcagcaa ggagaagcag tttgggtctc tgaaggaaag 480

atggaaggga tggatgatga ccctgaa 507

<210> 27
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Guanylate kinase (GUK) domain of PSD-95 (A534 to V563)

<400> 27

Ala Arg Pro Ile Ile Ile Leu Gly Pro Thr Lys Asp Arg Ala Asn Asp
1 5 10 15

Asp Leu Leu Ser Glu Phe Pro Asp Lys Phe Gly Ser Cys Val
20 25 30

<210> 28
<211> 112
<212> PRT
<213> Artificial Sequence

<220>
<223> Guanylate kinase (GUK) domain of PSD-95 (V613 to L724)

<400> 28

Val Gln Ser Val Arg Glu Val Ala Glu Gln Gly Lys His Cys Ile Leu
1 5 10 15

Asp Val Ser Ala Asn Ala Val Arg Arg Leu Gln Ala Ala His Leu His
20 25 30

Pro Ile Ala Ile Phe Ile Arg Pro Arg Ser Leu Glu Asn Val Leu Glu
35 40 45

Ile Asn Lys Arg Ile Thr Glu Glu Gln Ala Arg Lys Ala Phe Asp Arg
50 55 60

Ala Thr Lys Leu Glu Gln Glu Phe Thr Glu Cys Phe Ser Ala Ile Val
65 70 75 80

Glu Gly Asp Ser Phe Glu Glu Ile Tyr His Lys Val Lys Arg Val Ile
85 90 95

Glu Asp Leu Ser Gly Pro Tyr Ile Trp Val Pro Ala Arg Glu Arg Leu
100 105 110

<210> 29
<211> 90
<212> DNA
<213> Artificial Sequence

<220>
<223> W199 zinc finger 3 domain (ZNF3) of Mus musculus Slug

<400> 29
acattgcctt gtgtctgcaa gatctgtggc aaggctttct ccagaccctg gctgcttcaa 60

ggacacatta gaactcacac tggggaaaag 90