

Supplemental Information 2. Gene and protein sequences of the 35 recombinant monoclonal antibodies. The sequences of the heavy chain and the light genes are given, along with their protein sequences. The grey highlighted nucleotide and amino acid sequences indicate the variable region, and the nucleotide and amino acid sequences that are not highlighted indicate the constant region. The red letters represent start and stop codons.

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SAIC-01B-4D8-H3, CD44, TFIPVTSAK

>SAIC-01B-4D8-H3

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Protein sequence:

>SAIC-01B-4D8-H3

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SAIC-01B-4D8-L4, CD44, TFIPVTSAK

>SAIC-01B-4D8-L4

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Protein sequence:

>SAIC-01B-4D8-L4

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TVLIFPPAADQVATGTVTIVCVANKYFPDVTVTWEVDGTTQTTGIENSKTPQNSADCTYNLSSTLTLTSTQY
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SAIC-02A-7-H1, ERBB2, GLQSLPTHDPSPQLQR

>SAIC-02A-7-H1

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Protein sequence:

>SAIC-02A-7-H1

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PPREELSSRSVSLTCMINGFYPSDISVEWEKNGKAEDNYKTTPAVLDSGYSFLYKLSVPTSEWQRGDVF
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SAIC-02A-7-L1, ERBB2, GLQSLPTHDPSPQLQR

>SAIC-02A-7-L1

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Protein sequence:

>SAIC-02A-7-L1

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LIFPPSPAELATGTATIVCVANKYFPDGTVTWQVDGKPLTTGIETSKTPQNSDDCTYNLSSTLTLKSDEYNS
HDEYTCQVAQGS GSPVVQSFSRKNC-

CCCAAACAACCTGGCATCGAGAACAGTAAACACCGCAGAATTCTGCAGATTGTACCTACAACCTCAGCA
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Protein sequence:

>SAIC-07B-14-L2

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SAIC-07E-1-H3, XPNPEP1, TSLDEVYLIDSGAQYK

>SAIC-07E-1-H3

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AGACCACGCCGGCCGTGCTGGACAGCGACGGCTCCTACTTCTCTACAGCAAGCTCTCAGTGCCAC
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Protein sequence:

>SAIC-07E-1-H3

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SAIC-07E-1-L1, XPNPEP1, TSLDEVYLIDSGAQYK

>SAIC-07E-1-L1

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Protein sequence:

>SAIC-07E-1-L1

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PPSPAELATGTATIVCVANKYFPDGTVTWQVDGKPLTTGIETSKTPQNSDDCTYNLSSTLTLKSDEYNSHD
EYTCQVAQSGSPVVQSF SRKNC-

CCCAAACAACCTGGCATCGAGAACAGTAAACACCGCAGAATTCTGCAGATTGTACCTACAACCTCAGCA
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Protein sequence:

>SAIC-13B-19-L3

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TVLIFPPAADQVATGTVTIVCVANKYFPDVTVTWEVDGTTQTTGIENSKTPQNSADCTYNLSSTLTLTSTQY
NSHKEYTCKVTQGTTSVVQSFNRGDC-

SAIC-13C-5G10-H3, ANXA1, GVDEATIIDILTK

>SAIC-13C-5G10-H3

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Protein sequence:

>SAIC-13C-5G10-H3

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SAIC-13C-5G10-L2, ANXA1, GVDEATIIDILTK

>SAIC-13C-5G10-L2

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CCCAAACAACCTGGCATCGAGAACAGTAAACACCGCAGAATTCTGCAGATTGTACCTACAACCTCAGCA
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Protein sequence:

>SAIC-13C-5G10-L2

MDTRAPTRLLGLLLLWLPGATFAQVLTQTASSVSAAVGGTVTISCQSSQSVDKHNNLAWFQQKPGQPPKR
LIYKASTLESRVPSRFKGS SGTQFTLTISGVQCDDAATYYCAGGFSTNVITFGGGTEVVVKGDPVAPTCLI
FPPAADQVATGTVTIVCVANKYFPDVTVTWEVDGTTQTTGIENSKTPQNSADCTYNLSSTLTLTSTQYN
SH
KEYTCKVTQGTTSVVQSFNRGDC-

SAIC-14C-10F12-H1, ANXA4, DEGNYLDDALVR

>SAIC-14C-10F12-H1

ATG GAGACTGGGCTGCGCTGGCTTCTCCTGGTCGCTGTGCTCAAAGGTGTCCAGTGTGAGTCCGGTGG
AGGAGTCCGGGGGTGCGCTGGTCACGCCTGGGACACCCCTGACACTCACCTGCACAGTCTCTGAAAT
CGACCTCAGTAGCAATGCAATGAGCTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGTATGGATCGGA
GCCATTAATAAGATTGGTAATATACTCTACGCGAGCTGGGCGAAAGGCCGATTACCATCTCCAAAACCT
CGTCGACCACGGTGGATCTGAAAATCGCCAGTCCGACAACCGAGGACACGGCCACCTATTTTTGTACC
AGGGGTTATGGTTCTGGTGGTATATGGGGCCCAGGCACCCTGGTCACCGTCTCCTCA
GGGCAACCTAAGGCTCCATCAGTCTTCCCACTGGCCCCCTGCTGCGGGGACACACCCAGCTCCACGG
TGACCCTGGGCTGCCTGGTCAAAGGGTACCTCCCGGAGCCAGTGACCGTGACCTGGAACCTCGGGCA
CCCTCACCAATGGGGTACGCACCTTCCCGTCCGTCCGGCAGTCCTCAGGCCTCTACTCGCTGAGCAG
CGTGGTGAGCGTGACCTCAAGCAGCCAGCCCGTCACCTGCAACGTGGCCACCCAGCCACCAACAC
CAAAGTGGACAAGACCGTTGCGCCCTCGACATGCAGCAAGCCCACGTGCCACCCCTGAACTCCTG
GGGGACCGTCTGTCTTCATCTTCCCCCAAACCAAGGACACCCTCATGATCTCACGCACCCCGA
GGTCACATGCGTGGTGGTGGACGTGAGCCAGGATGACCCCGAGGTGCAGTTCACATGGTACATAACA
ACGAGCAGGTGCGCACCCGCCCGCCGCTACGGGAGCAGCAGTTCAACAGCAGATCCGCGTGG
TCAGCACCCCTCCCATCGCGCACCCAGGACTGGCTGAGGGGCAAGGAGTTCAAGTGCAAAGTCCACAA
CAAGGCACTCCCGGCCCCCATCGAGAAAACCATCTCCAAAGCCAGAGGGCAGCCCTGGAGCCGAA
GGTCTACACCATGGGCCCTCCCGGGAGGAGCTGAGCAGCAGGTCCGGTCAGCCTGACCTGCATGATC
AACGGCTTCTACCCTTCCGACATCTCGGTGGAGTGGGAGAAGAACGGGAAGGCAGAGGACAACACTACA
AGACCACGCCGGCCGTGCTGGACAGCGACGGCTCCTACTTCTCTACAGCAAGCTCTCAGTGCCAC
GAGTGAGTGGCAGCGGGGCGACGTCTTCACCTGCTCCGTGATGCACGAGGCCTTGACAACCACTAC
ACGCAGAAGTCCATCTCCCGCTCTCCGGGTAAATGA

Protein sequence:

>SAIC-14C-10F12-H1

METGLRWLLLVAVLKGVQCQSVEESGGRLVTPGTLTLTCTVSEIDLSSNAMSWVRQAPGKGLVWIGAINK
IGNILYASWAKGRFTISKTSSTTVDLKIASPTTEDTATYFCTRGYGSGGIWPGTLVTVSSGQPKAPSVFPLA
PCCGDTPSSTVTLGCLVKGYLPEPVTVTWNSGTLTNGVRTFSPVRQSSGLYSLSSVSVTSSSQPVTCNV
AHPATNTKVDKTVAPSTCSKPTCPPPELLGGPSVFIFPPKPKDTLMISRTPEVTCVVVDVSDDDPEVQFTW
YINNEQVRTARPPLREQQFNSTIRVVSTLPIAHQDWLRGKEFKCKVHNKALPAPIEKTISKARGQPLEPKVY
TMGPPREELSSRSVSLTCMINGFYPSDISVEWEKNGKAEDNYKTTPAVLDSGYSFLYSKLSVPTSEWQR
GDVFTCSVMHEALHNHYTQKSISRSPGK-

SAIC-14C-10F12-L3, ANXA4, DEGNYLDDALVR

>SAIC-14C-10F12-L3

ATG GACACGAGGGCCCCACTCAGCTGCTGGGGCTCCTGCTGCTCTGGCTCCAGGTGCCACATTTG
CCCAAGTGCTGACCCAGACTCCATCCCCTGTGTCTGCACCTGTGGGAGGCACAGTCACCATCAATTGC
CAGGCCAGTCAGAGTCTTTATAATAAGAAAAATTTAGCCTGGTATCAGCAGAAACCAGGGCAACCTCCC
AAGCTCCTGATCTACTATATATCCACTCTGGCATCTGGGGTCTCATCGCGGTTCAAAGGCAGTGGATCT
GGGACACAGTTCGCTCTCACCATCAGCGGCGTGACGTGTGACGATGCTGCCACTTACTACTGTCAAGG
CGAATTTAGTTGTAGTAGTGGTATTGTGTTGCTTTCGGCGGAGGGACCGAGGTGGTGGTCAAA
GGTGATCCAGTTGCACCTACTGTCCTCATCTTCCCACCAGCTGCTGATCAGGTGGCAACTGGAACAGT
CACCATCGTGTGTGGCGAATAAATACTTTCCCGATGTCACCGTCACCTGGGAGGTGGATGGCACCA

CCCAAACAACCTGGCATCGAGAACAGTAAAACACCGCAGAATTCTGCAGATTGTACCTACAACCTCAGCA
GCACTCTGACACTGACCAGCACACAGTACAACAGCCACAAAGAGTACACCTGCAAGGTGACCCAGGG
CACGACCTCAGTCGTCCAGAGCTTCAATAGGGGTGACTGTAG

Protein sequence:

>SAIC-14C-10F12-L3

MDTRAPTQLLGLLLLWLPGATFAQVLTQTPSPVSAPVGGTVTINCQASQSLYNKKNLAWYQQKPGQPPKL
LIYYISTLASGVSSRFKSGSGTQFALTISGVQCDDAATYYCQGEFSCSSGDCVAFGGGTEVVVKGDPVAP
TVLIFPPAADQVATGTVTIVCVANKYFPDVTVTWEVDGTTQTTGIENSKTPQNSADCTYNLSSTLTLTSTQY
NSHKEYTCKVTQGTTSVVQSFNRGDC-

SAIC-16D-6B9-H2, CALR, GLQTSQDAR

>SAIC-16D-6B9-H2

ATG GAGACTGGGCTGCGCTGGCTTCTCCTGGTCGCTGTGCTCAAAGGTGTCCAGTGTGAGTCGGTGG
AGGAGTCCGGGGGTGCGCTGGTCACGCCTGGGACACCCCTGACACTCACCTGCACAGCCTCTGGATT
CTCCCTCAGTAGCGATGCAGTGGGCTGGGTCCGCCAGACTCCAGGGAAGGGGCTGGAATGGATCGG
ACAGATTGGTATTAGTGGTAGGATATATTCCGCGAGTTGGGCGAAAGGCCGATTCACTATCTCCAGAAC
CTCGACCATGGTGGATCTGAAAATCACCAGTCCGACAACCGAGGACACGGCCACTTATTTCTGTGCCA
GATACCGTGCCAGCGGTAATTTTACATCTGGGGCCCCGGGCACCCTGGTCACCGTCTCCTCA
GGGCAACCTAAGGCTCCATCAGTCTTCCCCTGGCCCCCTGCTGCGGGGACACACCCAGCTCCACGG
TGACCCTGGGCTGCCTGGTCAAAGGGTACCTCCCGGAGCCAGTGACCGTGACCTGGAACCTCGGGCA
CCCTCACCAATGGGGTACGCACCTTCCCGTCCGTCCGGCAGTCCTCAGGCCTCTACTCGCTGAGCAG
CGTGGTGAGCGTGACCTCAAGCAGCCAGCCCGTCACCTGCAACGTGGCCACCCAGCCACCAACAC
CAAAGTGGACAAGACCGTTGCGCCCTCGACATGCAGCAAGCCCACGTGCCACCCCCCTGAACTCCTG
GGGGGACCGTCTGTCTTCATCTTCCCCCAAACCAAGGACACCCTCATGATCTCACGCACCCCCGA
GGTCACATGCGTGGTGGTGGACGTGAGCCAGGATGACCCCGAGGTGCAGTTCACATGGTACATAACA
ACGAGCAGGTGCGCACCCGCCCGCCGCGCTACGGGAGCAGCAGTTCAACAGCAGCAGTCCGCGTGG
TCAGCACCCCTCCCATCGCGCACCCAGGACTGGCTGAGGGGCAAGGAGTTCAAGTGCAAAGTCCACAA
CAAGGCACTCCCGGCCCCCATCGAGAAAACCATCTCAAAGCCAGAGGGCAGCCCTGGAGCCGAA
GGTCTACACCATGGGCCCTCCCGGGAGGAGCTGAGCAGCAGGTGCGGTCAGCCTGACCTGCATGATC
AACGGCTTCTACCCTTCCGACATCTCGGTGGAGTGGGAGAAGAACGGGAAGGCAGAGGACAACACTACA
AGACCACGCCGGCCGTGCTGGACAGCGACGGCTCCTACTTCTCTACAGCAAGCTCTCAGTGCCAC
GAGTGAGTGGCAGCGGGGCGACGTCTTACCTGCTCCGTGATGCACGAGGCCTTGACAACCACTAC
ACGCAGAAGTCCATCTCCCGCTCTCCGGGTAAATGA

Protein sequence:

>SAIC-16D-6B9-H2

METGLRWLLLVAVLKGVQCQSVEESGGRLVTPGTLTLTCTASGFLSSDAVGWVRQTPGKGLEWIGQIG
ISGRIYSASWAKGRFTISRTSTMVDLKITSPTTEDTATYFCARYRASGNFDIWPGTLVTVSSGQPKAPSVF
PLAPCCGDTPSSTVTLGCLVKGYLPEPVTVTWNSGTLNNGVTRFSPVRQSSGLYLSVVSVTSSSQPVT
CNVAHPATNTKVDKTVAPSTCSKPTCPPPELLGGPSVFIFPPKPKDTLMISRTPEVTCVVDVSDDDPEVQ
FTWYINNEQVRTARPPLREQQFNSTIRVVSTLPIAHQDWLRGKEFKCKVHNKALPAPIEKTISKARGQPLEP
KVYTMGPPREELSSRSVSLTCMINGFYPSDISVEWEKNGKAEDNYKTTPAVLDSGDSYFLYSKLSVPTSEW
QRGDVFTCSVMHEALHNHYTQKSISRSPGK-

SAIC-16D-6B9-L3, CALR, GLQTSQDAR

>SAIC-16D-6B9-L3

ATG GACACGAGGGCCCCACTCAGCTGCTGGGGCTCCTGCTGCTCTGGCTCCCAGGTGCCACATTTG
CCCAAGTGCTGACCCAGACACCATCCCCGTGTCTGCAGCTGTGGGAGGCACAGTACCATCAGTTG
CCAGGCCAGTCGGAATGTTTATAATAACAACAATTTAGCCTGGTATCAGCAGAAACCAGGGCAGCCTCC
CAAGCTCCTGATCTACTGGGCATCCAACTGGCAACTGGGGTCTCATCGCGGTTCAAGGGCAGTGGAT
CTGGGACACAGTTCACCTCACCATCAGCGGCTTGACGTGTGACGATGCTGCCACTTACTACTGTCAA
GGCGAATTTGATTGCGGTACTTCTGATTGTAATGCTTTCGGCGGAGGGACCGAGGTGGTGGTCAGA
GGTGATCCAGTTGCACCTACTGTCCTCATCTTCCCACCAGCTGCTGATCAGGTGGCAACTGGAACAGT
CACCATCGTGTGTGGCGAATAAATACTTTCCCGATGTCACCGTACCTGGGAGGTGGATGGCACCA

CCCAAACAACCTGGCATCGAGAACAGTAAACACCCGCAGAATTCTGCAGATTGTACCTACAACCTCAGCA
GCACTCTGACACTGACCAGCACACAGTACAACAGCCACAAAGAGTACACCTGCAAGGTGACCCAGGG
CACGACCTCAGTCGTCCAGAGCTTCAATAGGGGTGACTGTAG

Protein sequence:

>SAIC-16D-6B9-L3

MDTRAPTQLLGLLLLWLPGATFAQVLTQTPSPVSAVGGTITISCQASRNVYNNNNLAWYQQKPGQPPKL
LIYWASKLATGVSSRFKGSQSGTQFTLTISGLQCDDAATYYCQGEFDCGTSDCNAFGGGTEVVVRGDPVA
PTVLIFPPAADQVATGTVTIVCVANKYFPDVTVTWEVDGTTQTTGIENSKTPQNSADCTYNLSSTLTLTSTQ
YNSHKEYTCKVTQGTTSVVQSFNRGDC-

SAIC-19D-1F4-H10, GRB2, FGNDVQHFK

>SAIC-19D-1F4-H10

ATG GAGACTGGGCTGCGCTGGCTTCTCCTGGTCGCTGTGCTCAAAGGTGTCCAGTGTCAAGTCCGGTGG
AGGAGTCCGGGGGTGCGCTGGTCACGCCTGGGACACCCCTGACACTCACCTGCACCGTCTCTGGATT
CTCCCTCAGTAGTTACTATATGAGCTGGGTCCGCCAGGCTCCAGGGAAGGGGGCTGGAATGGATCGGAA
GTATTAGTAGTCGTGGTGTGATGCATACTTCGCGGGCTGGGCGAAAGGCCGATTACCATCTCCAAAACCT
CGACCACGGTGGATCTGAAAATCACCAGTCCGACAACCGAGGACACGGCCACCTATTTCTGTGCCAGA
GGTGTGTTACTAATAGTATGGGTTGGAACATCTGGGGCCAGGCACCCTGGTCACCGTCTCCTCA
GGGCAACCTAAGGCTCCATCAGTCTTCCCACTGGCCCCCTGCTGCGGGGACACACCCAGCTCCACGG
TGACCCTGGGCTGCCTGGTCAAAGGGTACCTCCCGGAGCCAGTGACCGTGACCTGGAACCTCGGGCA
CCCTCACCAATGGGGTACGCACCTTCCCGTCCGTCCGGCAGTCCTCAGGCCTCTACTCGCTGAGCAG
CGTGGTGAGCGTGACCTCAAGCAGCCAGCCCGTCACCTGCAACGTGGCCACCCAGCCACCAACAC
CAAAGTGGACAAGACCGTTGCGCCCTCGACATGCAGCAAGCCCACGTGCCACCCCTGAACTCCTG
GGGGGACCGTCTGTCTTCATCTTCCCCCAAACCAAGGACACCCTCATGATCTCACGCACCCCGA
GGTCACATGCGTGGTGGTGGACGTGAGCCAGGATGACCCCGAGGTGCAGTTCACATGGTACATAACA
ACGAGCAGGTGCGCACCCGCCCGCCGCTACGGGAGCAGCAGTTCAACAGCACGATCCGCGTGG
TCAGCACCCCTCCCATCGCGCACCCAGGACTGGCTGAGGGGCAAGGAGTTCAAGTGCAAAGTCCACAA
CAAGGCACTCCCGGCCCCCATCGAGAAAACCATCTCCAAAGCCAGAGGGCAGCCCTGGAGCCGAA
GGTCTACACCATGGGCCCTCCCGGGAGGAGCTGAGCAGCAGGTCCGGTCAGCCTGACCTGCATGATC
AACGGCTTCTACCCTTCCGACATCTCGGTGGAGTGGGAGAAGAACGGGAAGGCAGAGGACAACACTACA
AGACCACGCCGGCCGTGCTGGACAGCGACGGCTCCTACTTCTCTACAGCAAGCTCTCAGTGCCAC
GAGTGAGTGGCAGCGGGGCGACGTCTTACCTGCTCCGTGATGCACGAGGCCTTGACAACCACTAC
ACGCAGAAGTCCATCTCCCGCTCTCCGGGTAAATGA

Protein sequence:

>SAIC-19D-1F4-H10

METGLRWLLLVAVLKGVQCQSVEESGGRLVTPGTLTLTCTVSGFSLSSYYMSWVRQAPGKGLEWIGSIS
SRGDAYFAGWAKGRFTISKSTTTVDLKITSPTEDTATYFCARGDVTNSMGWNIWGPGLTVTVSSGQPKA
PSVFLAPCCGDTSPSTVTLGCLVKGYLPEPVTVTWNSGTLTNGVRTFSPVRQSSGLYSLSSVSVTSSSQ
PVTCNVAHPATNTKVDKTVAPSTCSKPTCPPPELLGGPSVFIFPPKPKDTLMISRTPEVTCVVDVSDQDDPE
VQFTWYINNEQVRTARPLREQQFNSTIRVVSTLPIAHQDWLRGKEFKCKVHNKALPAPIEKTISKARGQPL
EPKVYTMGPPREELSSRSVSLTCMINGFYPSDISVEWEKNGKAEDNYKTTPAVLDSGYSFLYKLSVPTS
EWQRGDVFTCSVMHEALHNHYTQKSISRSPGK-

SAIC-19D-1F4-L1, GRB2, FGNDVQHFK

>SAIC-19D-1F4-L1

ATG GACACGAGGGCCCCACTCAGCTGCTGGGGCTCCTGCTGCTCTGGCTCCAGGTGCCACATTTG
CCCAAGTGCTGACCCAGACTCCATCCCCTGTGTCTGCATCTGTGGGAGGCACAGTCACCATCGTTTGC
CAGTCCAGTCCGAGTATTTATAGCAACAAAAATTTAGCCTGGTATCAGCAGAAACCAGGGCAACCTCCC
AAGCTCCTGATCTACGATGCATCCAATCTGGCATCTGGGGTCCCATCGCGGTTCAAAGGCAGTGGATCT
GGGACAGAGTTCACTCTCACCATCAGCGACGTGCAGTGTGACGATGCTGCCACTTACTACTGTCAAGG
CGAATTCAGTTGTAGTAGTGGTATTGTGTTGCTTTCGGCGGAGGGACCGAGGTGGTGGTCAA
GGTGTCCAGTTGCACCTACTGTCCTCATCTTCCACCGGCTGCTGATCAGGTGGCAACTGGAACAGT
CACCATCGTGTGTGGCGAATAAATACTTTCCCGATGTCACCGTCACCTGGGAGGTGGATGGCACCA

CCCAAACAACCTGGCATCGAGAACAGTAAACACCGCAGAATTCTGCAGATTGTACCTACAACCTCAGCA
GCACTCTGACACTGACCAGCACACAGTACAACAGCCACAAAGAGTACACCTGCAAGGTGACCCAGGG
CACGACCTCAGTCGTCAGAGCTTCAATAGGGGTGACTGTAG

Protein sequence:

>SAIC-19D-1F4-L1

MDTRAPTQLLGLLLLWLPGATFAQVLTQTPSPVSASVGGTVTIVCQSSPSIYSNKNLAWYQQKPGQPPKLLI
YDASNLASGVPSRFKGS GSGTEFTLTISDVQCDDAATYYCQGEFSCSSGDCVAFGGGTEVVVKGDPVAPT
VLIFPPAADQVATGTVTIVCVANKYFPDVTVTWEVDGTTQTTGIENSKTPQNSADCTYNLSSTLTLTSTQYN
SHKEYTCKVTQGTTSVVQSFNRGDC-

SAIC-21C-4-H5, FEN1, SIEEIVR

>SAIC-21C-4-H5

ATG GAGACTGGGCTGCGCTGGCTTCTCCTGGTCGCTGTGCTCAAAGGTGTCCAGTGTCAAGTCCGGTGG
AGGAGTCCGGGGGTGCGCTGGTCACGCCTGGGACAGCCCTGACACTCACCTGCACCGTCTCTGGATT
CTCCCTCAGTAGCTATGCAATGATCTGGGTCCGCCAGGCTCCAGGGGAGGGGGCTGGAATGGATCGGA
ATTATTAGTGTAGGGGTAGCGCATACTACGCGAGCTGGGCGAAAGGCCGATTCATCATCTCCAAAACC
TCGACCACGGTGGATCTGAGAATCACCAGTCCGACAACCGAGGACACGGCCACCTATTTCTGTGCCAG
AGGGCTGGGACTATCTAACATCTGGGGCCCAGGCACCCTGGTCACCGTCTCCTTG
GGGCAACCTAAGGCTCCATCAGTCTTCCCCTGGCCCCCTGCTGCGGGGACACACCCAGCTCCACGG
TGACCCTGGGCTGCCTGGTCAAAGGGTACCTCCCGGAGCCAGTGACCGTGACCTGGAACCTCGGGCA
CCCTCACCAATGGGGTACGCACCTTCCCGTCCGTCCGGCAGTCCTCAGGCCTCTACTCGCTGAGCAG
CGTGGTGAGCGTGACCTCAAGCAGCCAGCCCGTCACCTGCAACGTGGCCACCCAGCCACCAACAC
CAAAGTGGACAAGACCGTTGCGCCCTCGACATGCAGCAAGCCCACGTGCCACCCCTGAACTCCTG
GGGGGACCGTCTGTCTTCATCTTCCCCCAAACCCAAGGACACCCTCATGATCTCACGCACCCCGA
GGTCACATGCGTGGTGGTGGACGTGAGCCAGGATGACCCCGAGGTGCAGTTCACATGGTACATAACA
ACGAGCAGGTGCGCACCCGCCCGCCGCTACGGGAGCAGCAGTTCAACAGCAGATCCGCGTGG
TCAGCACCCCTCCCATCGCGCACCCAGGACTGGCTGAGGGGCAAGGAGTTCAAGTGCAAAGTCCACAA
CAAGGCACTCCCGGCCCCCATCGAGAAAACCATCTCCAAAGCCAGAGGGCAGCCCTGGAGCCGAA
GGTCTACACCATGGGCCCTCCCGGGAGGAGCTGAGCAGCAGGTCCGGTCAGCCTGACCTGCATGATC
AACGGCTTCTACCCTTCCGACATCTCGGTGGAGTGGGAGAAGAACGGGAAGGCAGAGGACAACACTACA
AGACCACGCCGGCCGTGCTGGACAGCGACGGCTCCTACTTCTCTACAGCAAGCTCTCAGTGCCAC
GAGTGAGTGGCAGCGGGGCGACGTCTTCACCTGCTCCGTGATGCACGAGGCCTTGACAACCACTAC
ACGCAGAAGTCCATCTCCCGCTCTCCGGGTAAATGA

Protein sequence:

>SAIC-21C-4-H5

METGLRWLLLVAVLKGVQCQSVEESGGRLVTPGTALTLTCTVSGFSLSSYAMIWVRQAPGEGLEWIGIISV
RGSAYYASWAKGRFIISKSTTTVDLRITSPPTEDTATYFCARGLGLSNIWGPGLVTVSLGQPKAPSVFPLA
PCCGDTPSSTVTLGCLVKGYLPEPVTVTWNSGTLTNGVRTFSPVRQSSGLYSLSSVSVTSSSQPVTCNV
AHPATNTKVDKTVAPSTCSKPTCPPPELLGGPSVFIFPPKPKDTLMISRTPEVTCVVVDVSDDDPEVQFTW
YINNEQVRTARPPLREQQFNSTIRVVSTLPIAHQDWLRGKEFKCKVHNKALPAPIEKTISKARGQPLEPKVY
TMGPPREELSSRSVSLTCMINGFYPSDISVEWEKNGKAEDNYKTTPAVLDSGSDSYFLYSKLSVPTSEWQR
GDVFTCSVMHEALHNHYTQKSISRSPGK-

SAIC-21C-4-L1, FEN1, SIEEIVR

>SAIC-21C-4-L1

ATG GACACGAGGGCCCCCCTCAGCTGCTGGGGCTCCTGCTGCTCTGGCTCCCAGGTGCCAGATGT
GATGTTGTGATGACCCAGACTCCAGCCTCCGTGGAGGCAGCTGTGGGAGGCACAGTCACCATCAAGT
GCCAGGCCAGTCAGAGCATTAGCAGTTGGTTATCCTGGTATCAGCAGAAACCAGGGCAGCCTCCCAA
CTCCTGATCTATGAAGCATCCAACTGGCCTCTGGGGTCCCATCGCGGTTCAAAGGCAGTGGATCTGG
GACAGATTTCACTCTCACCATCAGCGACCTGGAGTGTGCCGATGCTGCCACTTACTACTGTCAATGCAC
TTATGGTATTATTAGAGGCACTACTTATGGTGGGGCTTTCGGCGGAGGGACCGAGGTGGTGGTCAAG
GGTGTATCCAGTTGCACCTACTGTCCTCATCTTCCCACCAGCTGCTGATCAGGTGGCAACTGGAACAGT
CACCATCGTGTGTGTGGCGAATAAATACTTCCCAGTGTACCGTACCTGGGAGGTGGATGGCACCA

CCCAAACAACCTGGCATCGAGAACAGTAAACACCCGCAGAATTCTGCAGATTGTACCTACAACCTCAGCA
GCACTCTGACACTGACCAGCACACAGTACAACAGCCACAAAGAGTACACCTGCAAGGTGACCCAGGG
CACGACCTCAGTCGTCCAGAGCTTCAATAGGGGTGACTGTAG

Protein sequence:

>SAIC-21C-4-L1

MDTRAPPQLLGLLLLWLPGARCDVVMTPASVEAAVGGTVTIKCQASQSISWLSWYQQKPGQPPKLLI
YEASKLASGVPSRFKGSSTDFTLTISDLECADAAATYYCQCTYGIIRGTTYGGAFGGGTEVVVKGDPVAP
TVLIFPPAADQVATGTVTIVCVANKYFPDVTVTWEVDGTTQTTGIENSKTPQNSADCTYNLSSTLTLTSTQY
NSHKEYTCKVTQGTTSVVQSFNRGDC-

SAIC-22D-22-H1, GSTP1, YISLIYTNYEAGK

>SAIC-22D-22-H1

ATG GAGACTGGGCTGCGCTGGCTTCTCCTGGTCGCTGTGCTCAAAGGTGTCCAGTGTGTCAGTCGGTGG
AGGAGTCCGGGGGTGCGCTGGTCACGCCTGGGACACCCCTGACACTCACCTGCACAGTCTCTGGATT
CTCCCTCAATAATTATGGAATGAACTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAATGGATCGGAG
TCATTATTAATAATGGTAAGACAGCCTACGCGGACTGGGCAAAGGCCGATTACCATCTCCAAAACCTC
GTGACACCGGTGGATCTGAGAATGACCAGTCTGACAACCGAGGACACGGCCACCTATTTCTGTGTTA
GAGGGTATTTTACGTATAATATATACATCTGGGGCCCAGGCACCCTGGTCACCGTCTCCTTA
GGGCAACCTAAGGCTCCATCAGTCTTCCCACTGGCCCCCTGCTGCGGGGACACACCCAGCTCCACGG
TGACCCTGGGCTGCCTGGTCAAAGGGTACCTCCCGGAGCCAGTGACCGTGACCTGGAACCTCGGGCA
CCCTCACCAATGGGGTACGCACCTTCCCGTCCGTCCGGCAGTCCTCAGGCCTCTACTCGCTGAGCAG
CGTGGTGAGCGTGACCTCAAGCAGCCAGCCCGTCACCTGCAACGTGGCCACCCAGCCACCAACAC
CAAAGTGGACAAGACCGTTGCGCCCTCGACATGCAGCAAGCCCACGTGCCACCCCTGAACTCCTG
GGGGGACCGTCTGTCTTCATCTTCCCCCAAACCAAGGACACCCTCATGATCTCACGCACCCCGA
GGTCACATGCGTGGTGGTGGACGTGAGCCAGGATGACCCCGAGGTGCAGTTCACATGGTACATAACA
ACGAGCAGGTGCGCACCCGCCCGCCGCTACGGGAGCAGCAGTTCAACAGCAGATCCGCGTGG
TCAGCACCCCTCCCATCGCGCACCCAGGACTGGCTGAGGGGCAAGGAGTTCAAGTGCAAAGTCCACAA
CAAGGCACTCCCGGCCCCCATCGAGAAAACCATCTCCAAAGCCAGAGGGCAGCCCTGGAGCCGAA
GGTCTACACCATGGGCCCTCCCGGGAGGAGCTGAGCAGCAGGTCCGGTCAGCCTGACCTGCATGATC
AACGGCTTCTACCCTTCCGACATCTCGGTGGAGTGGGAGAAGAACGGGAAGGCAGAGGACAACACTACA
AGACCACGCCGGCCGTGCTGGACAGCGACGGCTCCTACTTCTCTACAGCAAGCTCTCAGTGCCAC
GAGTGAGTGGCAGCGGGGCGACGTCTTCACCTGCTCCGTGATGCACGAGGCCTTGACAACCACTAC
ACGCAGAAGTCCATCTCCCGCTCTCCGGGTAAATGA

Protein sequence:

>SAIC-22D-22-H1

METGLRWLLLVAVLKGVQCQSVEESGGRLVTPGTPPLTLTCTVSGFSLNNGMNWVRQAPGKLEWIGVII
NNGKTAYADWAKGRFTISKTSSTTVDLRMTSLTTEDTATYFCVIRGYFTYNIYIWPGTLVTVSLGQPKAPSV
FPLAPCCGDTSPSTVTLGCLVKGYLPEPVTVTWNSGTLTNGVIRTFPSVRQSSGLYSLSSVSVTSSSQPVT
CNVAHPATNTKVDKTVAPSTCSKPTCPPPELLGGPSVFIFPPKPKDTLMISRTPEVTCVVVDVSDDDPEVQ
FTWYINNEQVRTARPPLREQQFNSTIRVVSTLPIAHQDWLRGKEFKCKVHNKALPAPIEKTISKARGQPLEP
KVYTMGPPREELSSRSVSLTCMINGFYPSDISVEWEKNGKAEDNYKTTPAVLDSGDSYFLYSKLSVPTSEW
QRGDVFTCSVMHEALHNHYTQKSISRSPGK-

SAIC-22D-22-L4, GSTP1, YISLIYTNYEAGK

>SAIC-22D-22-L4

ATG GACACGAGGGCCCCACTCAGCTGCTGGGGCTCCTGCTGCTCTGGCTCCAGGTGCCACATTTG
CGCAAGTGCTGACCCAGACTGCATCGTCCGTGTCTGCAGCTGTGGGAGGGACAGTACCATCAGTTG
CCAGTCCAGTCAAAGTGTTTATAATAACCGCTTAACCTGGTTTCAGCAGAAACCAGGGCAGCCTCCCAA
GCTCCTAATGTATTCTACATCCAGGCTGGCATCTGGGGTCCCATCGCGGTTACGCGGCAGTGGATCTAG
GACACAGTTCACCTCTACCATCAGCGGCGTGCAGTGTGGCGATGCTGCCACTTACTACTGTCTAGGCG
GTTATAGTGGTGAGATTGATGCTTTCGGCGGAGGGACCGAGGTGGTGGTCAAG
AGTGATCCAGTTGCACCTACTGTCTCATCTTCCCACCAGCTGCTGATCAGGTGGCAACTGGAACAGT
CACCATCGTGTGTGTGGCGAATAAATACTTTCCCGATGTCACCGTCACCTGGGAGGTGGATGGCACCA

CCCAAACAACCTGGCATCGAGAACAGTAAACACCCGCAGAATTCTGCAGATTGTACCTACAACCTCAGCA
GCACTCTGACACTGACCAGCACACAGTACAACAGCCACAAAGAGTACACCTGCAAGGTGACCCAGGG
CACGACCTCAGTCGTCAGAGCTTCAATAGGGGTGACTGTAG

Protein sequence:

>SAIC-22D-22-L4

MDTRAPTQLLGLLLLWLPGATFAQVLTQTASSVSAAVGGTITISCQSSQSVYNNRLTWFQQKPGQPPKLL
MYSTSRLASGVPSRFSGSGSRTQFTLTISGVQCGDAATYYCLGGYSGEIDAFGGGTEVVVKSDPVAPTCLI
FPPAADQVATGTVTIVCVANKYFPDVTVTWEVDGTTQTTGIENSKTPQNSADCTYNLSSTLTLTSTQYN
SH
KEYTCKVTQGTTSVVQSFNRGDC-

SAIC-23B-22-H3, HSPB1, DGVVEITGK

>SAIC-23B-22-H3

ATG GAGACTGGGCTGCGCTGGCTTCTCCTGGTCGCTGTGCTCAAAGGTGTCCAGTGTCAAGTGGCTGG
AGGAGTCCGGGGGTGCGCTGGTCACGCCTGGGACACCCCTGACACTCACCTGTACAGTCTCTGGAGT
CGGCCTCGATAGTATTGGGGTAAGGTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGCAATACATCGGA
GAGATTAGCAATATTGGCAACACATACTACCCGAAGTGGGCAAGAGGCCGATTACCATCTCCAAGACC
TCGACCACGGTGGATCTGAAGATCACCAGCCGACAATCGAGGACACGGCCACCTATTTCTGTGCCAG
GGGATGGCTATCGGGTTTTAAGTACATGTGGGGCCCAGGCACCCTGGTCACCGTCTCCTTA
GGGCAACCTAAGGCTCCATCAGTCTTCCCACTGGCCCCCTGCTGCGGGGACACACCCAGCTCCACGG
TGACCCTGGGCTGCCTGGTCAAAGGGTACCTCCCGGAGCCAGTGACCGTGACCTGGAACCTCGGGCA
CCCTCACCAATGGGGTACGCACCTTCCCGTCCGTCCGGCAGTCCTCAGGCCTCTACTCGCTGAGCAG
CGTGGTGAGCGTGACCTCAAGCAGCCAGCCCGTCACCTGCAACGTGGCCACCCAGCCACCAACAC
CAAAGTGGACAAGACCGTTGCGCCCTCGACATGCAGCAAGCCCACGTGCCACCCCTGAACTCCTG
GGGGGACCGTCTGTCTTCATCTTCCCCCAAACCAAGGACACCCTCATGATCTCACGCACCCCGA
GGTCACATGCGTGGTGGTGGACGTGAGCCAGGATGACCCCGAGGTGCAGTTCACATGGTACATAACA
ACGAGCAGGTGCGCACCCGCCCGCCGCGCTACGGGAGCAGCAGTTCAACAGCAGATCCGCGTGG
TCAGCACCCCTCCCATCGCGCACCCAGGACTGGCTGAGGGGCAAGGAGTTCAAGTGCAAAGTCCACAA
CAAGGCACTCCCGGCCCCCATCGAGAAAACCATCTCAAAGCCAGAGGGCAGCCCTGGAGCCGAA
GGTCTACACCATGGGCCCTCCCGGGAGGAGCTGAGCAGCAGGTCCGGTCAGCCTGACCTGCATGATC
AACGGCTTCTACCCTTCCGACATCTCGGTGGAGTGGGAGAAGAACGGGAAGGCAGAGGACAACACTACA
AGACCACGCCGGCCGTGCTGGACAGCGACGGCTCCTACTTCTCTACAGCAAGCTCTCAGTGCCAC
GAGTGAGTGGCAGCGGGGCGACGTCTTACCTGCTCCGTGATGCACGAGGCCCTGCACAACCACTAC
ACGCAGAAGTCCATCTCCCGCTCTCCGGGTAAATGA

Protein sequence:

>SAIC-23B-22-H3

METGLRWLLLVAVLKGVQCQSLEESGGRLVTPGTPLTLTCTVSGVGLDSIGVRWVRQAPGKGLQYIGEISN
IGNTYYPNWARGRFTISKSTTVDLKITSPTIEDTATYFCARGWLSGFKYMWGPGLVTVSLGQPKAPSVFP
LAPCCGDTSPSTVTLGCLVKGYLPEPVTVTWNSGTLTNGVRTFSPVRQSSGLYSLSSVSVTSSSQPVTC
NVAHPATNTKVDKTVAPSTCSKPTCPPPELLGGPSVFIFPPKPKDTLMISRTPEVTCVVVDVSDQDDPEVQFT
WYINNEQVRTARPLREQQFNSTIRVVSTLPIAHQDWLRGKEFKCKVHNKALPAPIEKTISKARGQPLEPKV
YTMGPPREELSSRSVSLTCMINGFYPSDISVEWEKNGKAEDNYKTTPAVLDSGYSYFLYSKLSVPTSEWQ
RGDVFTCSVMHEALHNHYTQKSISRSPGK-

SAIC-23B-22-L11, HSPB1, DGVVEITGK

>SAIC-23B-22-L11

ATG GACACGAGGGCCCCACTCAGCTGCTGGGGCTCCTGCTGCTCTGGCTCCAGGTGCCAGATGTG
CCGTCGTGCTGACCCAGACTCCAGCCTCCGTGTCTGCAGCTGTGGGAGGCACAGTCACCATCAATTG
CCAGTCCAGTCAGAGTGTTGCTGATAACAACGAATTGCTCCTGGCTTCAGCAGAACTAGGGCAGCCTC
CCAAACTCCTGATCTACAAGGCTTCCACTCTGGCATCTGGGGTCCCATCGCGGTTCAAAGGCAGTGGA
TTTGGGACACAGTTCACTCTACCATCAGCGACGTGCAGTGTGACGATGCTGCCACTTATTGGTGTGC
AGGCGGTTATAGTGATGGTACTGAGGATACTTTCGCCGGAGGGACCGAGGTGGTGGTCAGA
GGTGATCCAGTTGCACCTACTGTCCTCATCTTCCCACCAGCTGCTGATCAGGTGGCAACTGGAACAGT
CACCATCGTGTGTGTGGCGAATAAATACTTCCCAGTGTACCGTCACCTGGGAGGTGGATGGCACCA

CCCAAACAACCTGGCATCGAGAACAGTAAACACCGCAGAATTCTGCAGATTGTACCTACAACCTCAGCA
GCACTCTGACACTGACCAGCACACAGTACAACAGCCACAAAGAGTACACCTGCAAGGTGACCCAGGG
CACGACCTCAGTCGTCAGAGCTTCAATAGGGGTGACTGTAG

Protein sequence:

>SAIC-23B-22-L11

MDTRAPTQLLGLLLLWLPGARCAVVLTPASVSAAVGGTVTINCQSSQSVADNNELSWLQQKLGQPPKL
LIYKASTLASGVPSRFKGSFGTQFTLTISDVQCDDAATYWCAGGYSDGTEDTFAGGTEVVVRGDPVAPT
VLIFPPAADQVATGTVTIVCVANKYFPDVTVTWEVDGTTQTTGIENSKTPQNSADCTYNLSSTLTLTSTQYN
SHKEYTCKVTQGTTSVVQSFNRGDC-

SAIC-23C-35-H1, HSPB1, VSLDVNHFAPDELTVK

>SAIC-23C-35-H1

ATG GAGACTGGGCTGCGCTGGCTTCTCCTGGTCGCTGTGCTCAAAGGTGTCCAGTGTGAGTCGGTGG
AGGAGTCCGGGGGTGCGCTGGTCACGCCTGGGACATCCCTGACACTCACCTGCACAGCCTCTGGATT
CTCCCTCAGTAGCTATGCAATGACCTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAATGGATCGGA
GCCATTGGTCTTCGTGGTACTGCATACTACGCGAGCTGGGCAACAGGCGGATTACCCATCTCCAGAAC
CTCGACCACGGTGCATCTGAGGATCACCAGTCCGACAACCGAGGACACGGCCACCTATTTCTGTGCCA
GAGGGGGCCTGGCCTCCGGCATGGACCCCTGGGGCCCAGGGACCCTCGTCACCGTCTCTGCA
GGGCAACCTAAGGCTCCATCAGTCTTCCCACTGGCCCCCTGCTGCGGGGACACACCCAGCTCCACGG
TGACCCTGGGCTGCCTGGTCAAAGGGTACCTCCCGGAGCCAGTGACCGTGACCTGGAACCTCGGGCA
CCCTCACCAATGGGGTACGCACCTTCCCGTCCGTCCGGCAGTCCTCAGGCCTCTACTCGCTGAGCAG
CGTGGTGAGCGTGACCTCAAGCAGCCAGCCCGTCACCTGCAACGTGGCCACCCAGCCACCAACAC
CAAAGTGGACAAGACCGTTGCGCCCTCGACATGCAGCAAGCCCACGTGCCACCCCTGAACTCCTG
GGGGGACCGTCTGTCTTCATCTTCCCCCAAACCAAGGACACCCTCATGATCTCACGCACCCCGA
GGTCACATGCGTGGTGGTGGACGTGAGCCAGGATGACCCCGAGGTGCAGTTCACATGGTACATAACA
ACGAGCAGGTGCGCACCCGCCCGCCGCTACGGGAGCAGCAGTTCAACAGCAGATCCGCGTGG
TCAGCACCCCTCCCATCGCGCACCCAGGACTGGCTGAGGGGCAAGGAGTTCAAGTGCAAAGTCCACAA
CAAGGCACTCCCGGCCCCCATCGAGAAAACCATCTCCAAAGCCAGAGGGCAGCCCTGGAGCCGAA
GGTCTACACCATGGGCCCTCCCGGGAGGAGCTGAGCAGCAGGTCCGGTCAGCCTGACCTGCATGATC
AACGGCTTCTACCCTTCCGACATCTCGGTGGAGTGGGAGAAGAACGGGAAGGCAGAGGACAATA
AGACCACGCCGGCCGTGCTGGACAGCGACGGCTCCTACTTCTCTACAGCAAGCTCTCAGTGCCAC
GAGTGAGTGGCAGCGGGGCGACGTCTTACCTGCTCCGTGATGCACGAGGCCCTGCACAACCACTAC
ACGCAGAAGTCCATCTCCCGCTCTCCGGGTAAATGA

Protein sequence:

>SAIC-23C-35-H1

METGLRWLLLVAVLKGVQCQSVEESGGRLVTPGTSLLTCTASGFLSSYAMTWVRQAPGKLEWIGAIG
LRGTAYYASWATGRFTISRTSTTVHLRITSPTTEDTATYFCARGGLASGMDPWGPGTLVTVSAGQPKAPSV
FPLAPCCGDTSPSTVTLGCLVKGYLPEPVTVTWNSGTLTNGVRTFPSVRQSSGLYSLSSVSVTSSSQPV
CNVAHPATNTKVDKTVAPSTCSKPTCPPPELLGGPSVFIFPPKPKDTLMISRTPEVTCVVDVSQDDPEVQ
FTWYINNEQVRTARPPLREQQFNSTIRVVSTLPIAHQDWLRGKEFKCKVHNKALPAPIEKTISKARGQPLEP
KVYTMGPPREELSSRSVSLTCMINGFYPSDISVEWEKNGKAEDNYKTTPAVLDSGDSYFLYSKLSVPTSEW
QRGDVFTCSVMHEALHNHYTQKSISRSPGK-

SAIC-23C-35-L2, HSPB1, VSLDVNHFAPDELTVK

>SAIC-23C-35-L2

ATG GACACGAGGGCCCCACTCAGCTGCTGGGGCTCCTGCTGCTCTGGCTCCAGGTGCCACATTTG
CCCAAGTGCTGACCCAGACTCCATCTCCCGTGTCTGCAGCTGTGGGAGGCACAGTCAGCATCAGTTG
CCAGTCCAGTCAGAGTGTTTATATTAATAGTTACTTAGCCTGGTATCAGCAGAAACCAGGGCAGCCTCCC
AAGCTCCTGATCTACAAGGCATCCACTCTGGCATCTGGGGTCCCATCGCGGTTCAAAGGCAGTGGATC
TGGGACACAGTTCACTCTCACCATCAGCGACGTGCAGTGTGACGATGCTGCCACTTACTACTGTGCAG
GCGCTTACGATGATAATGCAGATAATGCTTTCGGCGGAGGGACCGAGGTGGTGGTCAAG
GGTGTCCAGTTGCACCTACTGTCCTCATCTTCCCACCAGCTGCTGATCAGGTGGCAACTGGAACAGT
CACCATCGTGTGTGTGGCGAATAAATACTTCCCAGTGTACCGTCACCTGGGAGGTGGATGGCACCA

CCCAAACAACCTGGCATCGAGAACAGTAAACACCGCAGAATTCTGCAGATTGTACCTACAACCTCAGCA
GCACTCTGACACTGACCAGCACACAGTACAACAGCCACAAAGAGTACACCTGCAAGGTGACCCAGGG
CACGACCTCAGTCGTCCAGAGCTTCAATAGGGGTGACTGTAG

Protein sequence:

>SAIC-23C-35-L2

MDTRAPTQLLGLLLLWLPGATFAQVLTQTPSPVSAAVGGTVSISCQSSQSVYINSYLAWYQQKPGQPPKLL
IYKASTLASGVPSRFKGSQSGTQFTLTISDVQCDDAATYYCAGAYDDNADNAFGGGTEVVVKGDPVAPT
VLIFFPAADQVATGTVTIVCVANKYFPDVTVTWEVDGTTQTTGIENSKTPQNSADCTYNLSSTLTLTSTQYNSH
KEYTCKVTQGTTSVVQSFNRGDC-

SAIC-23E-30-H1, HSPB1, LFDQAFGLPR

>SAIC-23E-30-H1

ATG GAGACTGGGCTGCGCTGGCTTCTCCTGGTCGCTGTGCTCAGAGGTGCCAGTGTGCTCAGTCGCTGG
AGGAGTCCGGGGGTGCGCTGGTAGCGCCTGGAGGATCCCTGACACTCACCTGCACAGTCTCTGGAAT
CGACCTCAGTAGTTATAACAATGGGCTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAATACATTGGAT
TCATTAGTAGGCGTCCGACCACAGCCTACGCGAGCTGGGCGAAAGGCCGATTACCATCTCCAGAACC
TCGTCGACCACGGTGGAACTGAAAATGACCAGTCTGACAACCGAGGACACGGCCACCTATTTCTGTGC
CAGAGAGGCATATGGTGGTAGTGCCATCTGGGGCCCAGGCACCCTGGTCACCGTCTCCTTA
GGGCAACCTAAGGCTCCATCAGTCTTCCCACTGGCCCCCTGCTGCGGGGACACACCCAGCTCCACGG
TGACCCTGGGCTGCCTGGTCAAAGGGTACCTCCCGGAGCCAGTGACCGTGACCTGGAACCTCGGGCA
CCCTCACCAATGGGGTACGCACCTTCCCGTCCGTCCGGCAGTCCTCAGGCCTCTACTCGCTGAGCAG
CGTGGTGAGCGTGACCTCAAGCAGCCAGCCCGTCACCTGCAACGTGGCCACCCAGCCACCAACAC
CAAAGTGGACAAGACCGTTGCGCCCTCGACATGCAGCAAGCCCACGTGCCACCCCTGAACTCCTG
GGGGGACCGTCTGTCTTCATCTTCCCCCAAACCAAGGACACCCTCATGATCTCACGCACCCCGA
GGTCACATGCGTGGTGGTGGACGTGAGCCAGGATGACCCCGAGGTGCAGTTCACATGGTACATAACA
ACGAGCAGGTGCGCACCCGCCCGCCGCTACGGGAGCAGCAGTTCAACAGCAGATCCGCGTGG
TCAGCACCCCTCCCATCGCGCACCCAGGACTGGCTGAGGGGCAAGGAGTTCAAGTGCAAAGTCCACAA
CAAGGCACTCCCGGCCCCCATCGAGAAAACCATCTCAAAGCCAGAGGGCAGCCCTGGAGCCGAA
GGTCTACACCATGGGCCCTCCCGGGAGGAGCTGAGCAGCAGGTCCGGTCAGCCTGACCTGCATGATC
AACGGCTTCTACCCTTCCGACATCTCGGTGGAGTGGGAGAAGAACGGGAAGGCAGAGGACAACACTACA
AGACCACGCCGGCCGTGCTGGACAGCGACGGCTCCTACTTCTCTACAGCAAGCTCTCAGTGCCAC
GAGTGAGTGGCAGCGGGGCGACGTCTTACCTGCTCCGTGATGCACGAGGCCTTGACAACCACTAC
ACGCAGAAGTCCATCTCCCGCTCTCCGGGTAAATGA

Protein sequence:

>SAIC-23E-30-H1

METGLRWLLLVAVLRGVQCQSLEESGGRLVAPGGSLTLTCTVSGIDLSSYTMGWVRQAPGKLEYIGFISR
RRTTAYASWAKGRFTISRTSSTTVELKMTSLTTEDTATYFCAREAYGGSIAIWGPGLVTVSLGQPKAPSVF
PLAPCCGDTPSSTVTLGCLVKGYLPEPVTVTWNSGTLNNGVTRFSPVRQSSGLYLSVVSVTSSSQPVT
CNVAHPATNTKVDKTVAPSTCSKPTCPPPELLGGPSVFIFPPKPKDTLMISRTPEVTCVVVDVSDDDPEVQ
FTWYINNEQVRTARPPLREQQFNSTIRVVSTLPIAHQDWLRGKEFKCKVHNKALPAPIEKTISKARGQPLEP
KVYTMGPPREELSSRSVSLTCMINGFYPSDISVEWEKNGKAEDNYKTTPAVLDSGDSYFLYSKLSVPTSEW
QRGDVFTCSVMHEALHNHYTQKSISRSPGK-

SAIC-23E-30-L4, HSPB1, LFDQAFGLPR

>SAIC-23E-30-L4

ATG GACACGAGGGCCCCACTCAGCTGCTGGGGCTCCTGCTGCTCTGGCTCCCAGGTGCCAGATGTG
CGCTTGTGATGACCCAGACTCCATCGTCCGTGTCTGCAGCTGTGGGAGGCACAGTCACCATCAATTGC
CAGTCCAGTCCGAGTGTTTATAGTAACTACTTATCCTGGTATCAGCAGAAACCAGGGCAGCCTCCCAAG
CTCCTGATCTACGAGGCATCCAACTGGCATCTGGGGTCCCATCGCGGTTCAAAGGCAGTGGATCTGG
GACACAGTTCACTCTACCATCAGTGGCGTGGAGTGTGACGATGCTGCCACTTACTACTGTGCAGGCT
GGAAAGATTATAATAATGATGATAATGGTTTCGGCGGAGGGACCGAGGTGGTGGTCAGA
GGTGTCCAGTTGCACCTACTGTCCTCATCTTCCCACCAGCTGCTGATCAGGTGGCAACTGGAACAGT
CACCATCGTGTGTGGCGAATAAATACTTTCCCGATGTCACCGTCACCTGGGAGGTGGATGGCACCA

CCCAAACAACCTGGCATCGAGAACAGTAAACACCGCAGAATTCTGCAGATTGTACCTACAACCTCAGCA
GCACTCTGACACTGACCAGCACACAGTACAACAGCCACAAAGAGTACACCTGCAAGGTGACCCAGGG
CACGACCTCAGTCGTCCAGAGCTTCAATAGGGGTGACTGTAG

Protein sequence:

>SAIC-23E-30-L4

MDTRAPTQLLGLLLLWLPGARCALVMTQTPSSVSAAVGGTVTINCQSSPSVYSNYLSWYQQKPGQPPKLLI
YEASKLASGVPSRFKSGSGTQFTLTISGVECDAAATYYCAGWKDYNDDNGFGGGTEVVVRGDPVAPT
VLIFPPAADQVATGTVTIVCVANKYFPDVTVTWEVDGTTQTTGIENSKTPQNSADCTYNLSSTLTLTSTQYN
SHKEYTCKVTQGTTSVVQSFNRGDC-

SAIC-24B-4-H2, IL18, ISTLSCENK

>SAIC-24B-4-H2

ATG GAGACTGGGCTGCGCTGGCTTCTCCTGGTCGCTGTGCTCAAAGGTGTCCAGTGTCAAGTGGCTGG
AGGAGTCCGGGGGTGCGCTGGTCACGCCTGGGACACCCCTGACACTCACCTGCACAACCTCTGGATT
CTCCCTCAGTACTTATGGAGTGAGCTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAATGGATCGGA
TGGATTAGGGGTAGTGGTGCCACAACTACGCGAGTTGGGCGAAAGGCCGATTACCATCTCCAAAAC
CTCGACCACGGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT
GATCGCTTGTACTGGTGATAGTATAGTAATTTGTGGGGCCAGGCACCCTGGTCACCGTCTCCTCA
GGGCAACCTAAGGCTCCATCAGTCTTCCCACTGGCCCCCTGCTGCGGGGACACACCCAGCTCCACGG
TGACCCTGGGCTGCCTGGTCAAAGGGTACCTCCCGGAGCCAGTGACCGTGACCTGGAACCTCGGGCA
CCCTCACCAATGGGGTACGCACCTTCCCGTCCGTCCGGCAGTCCTCAGGCCTCTACTCGCTGAGCAG
CGTGGTGAGCGTGACCTCAAGCAGCCAGCCCGTCACCTGCAACGTGGCCACCCAGCCACCAACAC
CAAAGTGGACAAGACCGTTGCGCCCTCGACATGCAGCAAGCCCACGTGCCACCCCTGAACTCCTG
GGGGGACCGTCTGTCTTCATCTTCCCCCAAACCAAGGACACCCTCATGATCTCACGCACCCCGA
GGTCACATGCGTGGTGGTGGACGTGAGCCAGGATGACCCCGAGGTGCAGTTCACATGGTACATAACA
ACGAGCAGGTGCGCACCCGCCCGCCGCTACGGGAGCAGCAGTTCAACAGCAGATCCGCGTGG
TCAGCACCCCTCCCATCGCGCACCCAGGACTGGCTGAGGGGCAAGGAGTTCAAGTGCAAAGTCCACAA
CAAGGCACTCCCGGCCCCCATCGAGAAAACCATCTCCAAAGCCAGAGGGCAGCCCTGGAGCCGAA
GGTCTACACCATGGGCCCTCCCGGGAGGAGCTGAGCAGCAGGTGCGGTCAGCCTGACCTGCATGATC
AACGGCTTCTACCCTTCCGACATCTCGGTGGAGTGGGAGAAGAACGGGAAGGCAGAGGACAACACTACA
AGACCACGCCGGCCGTGCTGGACAGCGACGGCTCCTACTTCTCTACAGCAAGCTCTCAGTGCCAC
GAGTGAGTGGCAGCGGGGCGACGTCTTCACCTGCTCCGTGATGCACGAGGCCCTGCACAACCACTAC
ACGCAGAAGTCCATCTCCCGCTCTCCGGGTAAATGA

Protein sequence:

>SAIC-24B-4-H2

METGLRWLLLVAVLKGVQCQSLEESGGRLVTPGTPLTLTCTTSGFSLSTYGVSWVRQAPGKGLEWIGWIR
GSGATNYASWAKGRFTISKSTTTVTLKVTSLTTEDTATYFCARSLVTGSDSNLWPGTLVTVSSGQPKAP
SVFPLAPCCGDTSPSTVTLGCLVKGYLPEPVTVTWNSGTLTNGVVRTFPSVRQSSGLYSLSSVSVTSSSQP
VTCNVAHPATNTKVDKTVAPSTCSKPTCPPPELLGGPSVFIFPPKPKDTLMISRTPEVTCVVVDVSDQDDPEV
QFTWYINNEQVRTARPLREQQFNSTIRVVSTLPIAHQDWLRGKEFKCKVHNKALPAPIEKTISKARGQPLE
PKVYTMGPPREELSSRSVSLTCMINGFYPSDISVEWEKNGKAEDNYKTTPAVLDSGYSFLYKLSVPTSE
WQRGDVFTCSVMHEALHNHYTQKSISRSPGK-

SAIC-24B-4-L2, IL18, ISTLSCENK

>SAIC-24B-4-L2

ATG GACACGAGGGCCCCACTCAGCTGCTGGGGCTCCTGCTGCTCTGGCTCCCAGGTGCCACATTTG
CCCAAGTGCTGACCCAGACTCCATCGCCTGTGTCTGCAGCTGTGGGAGGCACAGTACCATCAATTGC
CAGGCCAGTAAGAGTGTGGAGTAACACCCTCTTCTCCTGGTTTCAGCAGAAACCAGGGCAGCCTCC
CAAGCGCCTGATCTATGCTGCATCCAACTGGCATCTGGGGTCCCATCGCGGTTCAAGTGGCAGTGGAT
CTGGGACACGGTCACTCTACCATCAGCGGCGTGCAGTGTGAAGATGCTGCCACTTACTACTGTGCA
GGCGAATTTAGTTGTAAGGATGGTGAATGTCTTGTGTTTCGGCGGAGGGACCGAGGTGGTGGTCAGA
GGTGAATCCAGTTGCACCTACTGTCCTCATCTTCCCACCAGCTGCTGATCAGGTGGCAACTGGAACAGT
CACCATCGTGTGTGGCGAATAAATACTTTCCCGATGTCACCGTACCTGGGAGGTGGATGGCACCA

CCCAAACAACCTGGCATCGAGAACAGTAAACACCCGCAGAATTCTGCAGATTGTACCTACAACCTCAGCA
GCACTCTGACACTGACCAGCACACAGTACAACAGCCACAAAGAGTACACCTGCAAGGTGACCCAGGG
CACGACCTCAGTCGTCAGAGCTTCAATAGGGGTGACTGTAG

Protein sequence:

>SAIC-24B-4-L2

MDTRAPTQLLGLLLLWLPGATFAQVLTQTPSPVSAVGGTVTINCQASKSVWSNTLFSWFQQKPGQPPKR
LIYAASKLASGVPSRFSGSGSGTRFTLTISGVQCEDAATYYCAGEFSCKDGDCLVFGGGTEVVVRGDPVAP
TVLIFPPAADQVATGTVTIVCVANKYFPDVTVTWEVDGTTQTTGIENSKTPQNSADCTYNLSSTLTLTSTQY
NSHKEYTCKVTQGTTSVVQSFNRGDC-

SAIC-25B-112-H1, LGALS1, SFVLNLGK

>SAIC-25B-112-H1

ATG GAGACTGGGCTGCGCTGGCTTCTCCTGGTCGCTGTGCTCAAAGGTGTCCAGTGTCAAGTCCGGTGG
AGGAGTCCGGGGGTGCGCTGGTCACGCCTGGGACACCCCTGACACTCACCTGCACAGCCTCTGGATT
CACCATCAGTAGCTACCACATGCAGTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGATCGGA
GTCGTTAGTGATAGTGGTAGGACATACTATGCGAACTGGGCAAAGGCCGATTACCATCTCCAGAACC
TCGACCACGGTGGATCTGAAAATGACCAGTCTGACAATCGAGGACACGGCCACCTATTTCTGTGCCAG
AGGTGGCCACTTGTGGGGCCAGGCACCCTGGTCACCGTCTCCTCA
GGGCAACCTAAGGCTCCATCAGTCTTCCCACTGGCCCCCTGCTGCGGGGACACACCCAGCTCCACGG
TGACCCTGGGCTGCCTGGTCAAAGGGTACCTCCCGGAGCCAGTGACCGTGACCTGGAACCTCGGGCA
CCCTCACCAATGGGGTACGCACCTTCCCGTCCGTCCGGCAGTCCTCAGGCCTCTACTCGCTGAGCAG
CGTGGTGAGCGTGACCTCAAGCAGCCAGCCCGTCACCTGCAACGTGGCCACCCAGCCACCAACAC
CAAAGTGGACAAGACCGTTGCGCCCTCGACATGCAGCAAGCCCACGTGCCACCCCTGAACTCCTG
GGGGGACCGTCTGTCTTCATCTTCCCCCAAACCAAGGACACCCTCATGATCTCACGCACCCCGA
GGTCACATGCGTGGTGGTGGACGTGAGCCAGGATGACCCCGAGGTGCAGTTCACATGGTACATAACA
ACGAGCAGGTGCGCACCCGCCCGCCGCTACGGGAGCAGCAGTTCAACAGCAGATCCGCGTGG
TCAGCACCCCTCCCATCGCGCACCCAGGACTGGCTGAGGGGCAAGGAGTTCAAGTGCAAAGTCCACAA
CAAGGCACTCCCGGCCCCCATCGAGAAAACCATCTCAAAGCCAGAGGGCAGCCCTGGAGCCGAA
GGTCTACACCATGGGCCCTCCCGGGAGGAGCTGAGCAGCAGGTCCGGTCAGCCTGACCTGCATGATC
AACGGCTTCTACCCTTCCGACATCTCGGTGGAGTGGGAGAAGAACGGGAAGGCAGAGGACAACACTACA
AGACCACGCCGGCCGTGCTGGACAGCGACGGCTCCTACTTCTCTACAGCAAGCTCTCAGTGCCAC
GAGTGAGTGGCAGCGGGGCGACGTCTTCACCTGCTCCGTGATGCACGAGGCCTTGACAACCACTAC
ACGCAGAAGTCCATCTCCCGCTCTCCGGGTAAATGA

Protein sequence:

>SAIC-25B-112-H1

METGLRWLLLVAVLKGVQCQSVEESGGRLVTPGTLTLTCTASGFTISSYHMQWVRQAPGKGLEWIGVVS
DSGRYYANWAKGRFTISRTSTTVDLKMTSLTIEDTATYFCARGGHLWGPGLTVTVSSGQPKAPSVFPLAP
CCGDPSSSTVTLGCLVKGYLPEPVTVTWNSGTLTNGVRTFPSVRQSSGLYSLSSVSVTSSSQPVTCNVA
HPATNTKVDKTVAPSTCSKPTCPPPELLGGPSVFIFPPKPKDTLMISRTPEVTCVVDVSDQDDPEVQFTWYI
NNEQVRTARPPLREQQFNSTIRVVSTLPIAHQDWLRGKEFKCKVHNKALPAPIEKTISKARGQPLEPKVYTM
GPPREELSSRSVSLTCMINGFYPSDISVEWEKNGKAEDNYKTTPAVLDSGYSFLYSKLSVPTSEWQRGD
VFTCSVMHEALHNHYTQKSISRSPGK-

SAIC-25B-112-L1, LGALS1, SFVLNLGK

>SAIC-25B-112-L1

ATG GACACGAGGGCCCCACTCAGCTGCTGGGGCTCCTGCTGCTCTGGCTCCAGGTGCCACATTTG
CTCAAGTGCTGACCCAGACTCCATCCCCGTGTCTGCGGCTGTGGGAGGCACAGTACCATGAAGTG
CCAGTCCAGTCCGAGTGTTCTAATAACTACTTGTCTGGTTTCAGCAGAAACCAGGGCAGCCTCCCA
AGCAACTGATCTATGATGCATCCACTCTGGCATCTGGGGTCCCATCGCGGTTCAAAGGCAGTGGATCT
GGGACACAGTTCGCTCTACCATCAGCGACGTGCAGTGTGACGATGCTGCCACTTACTACTGTCTAGG
TAGTTATGATTGTAATAGTGGTGATTGTGGTGCTTTCGGCGGAGGGACCGAGGTGGTGGTCAAA
GGTGATCCAGTTGCACCTACTGTCCTCATCTTCCCACCAGCTGCTGATCAGGTGGCAACTGGAACAGT
CACCATCGTGTGTGTGGCGAATAAATACTTTCCCGATGTCACCGTACCTGGGAGGTGGATGGCACCA

CCCAAACAACCTGGCATCGAGAACAGTAAACACCCGCAGAATTCTGCAGATTGTACCTACAACCTCAGCA
GCACTCTGACACTGACCAGCACACAGTACAACAGCCACAAAGAGTACACCTGCAAGGTGACCCAGGG
CACGACCTCAGTCGTCCAGAGCTTCAATAGGGGTGACTGTAG

Protein sequence:

>SAIC-25B-112-L1

MDTRAPTQLLGLLLLWLPGATFAQVLTQTPSPVSAVGGTVTMKCQSSPSVPNNYLSWFQQKPGQPPKQ
LIYDASTLASGVPSRFKGSQSGTQFALTISDVQCDDAATYYCLGSYDCNSGDCGAFGGGTEVVVKGDPVA
PTVLIFPPAADQVATGTVTIVCVANKYFPDVTVTWEVDGTTQTTGIENSKTPQNSADCTYNLSSTLTLTSTQ
YNSHKEYTCKVTQGTTSVVQSFNRGDC-

SAIC-26C-15-H2, NFKB2, IEVDLVTHSDPPR

>SAIC-26C-15-H2

ATG GAGACTGGGCTGCGCTGGCTTCTCCTGGTCGCTGTGCTCAAAGGTGTCCAGTGTCAAGTGGTGG
AGGAGTCCGGGGTTCGCTGGTCAAGCCTGGGACAGCCCTGACACTCACCTGCACAGTCTCTGGATT
CTCCCTCAATGACCATACAATGACCTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAATGGATCGGAT
CGATTGCTAGTATTGGTACTACCAACTACGCGAACTGGGCGAAAGGCCGATTACCCATCTCCAAAACCT
CGACCACGGTGGATCTGAAAATCACCAGTCCGACAACCGAGGACACGGCCACCTATTTCTGTGCCAGA
GGCTATGCTGGTAGTAGATTGTGGGGCCCAGGCACCCTGGTCACCGTCTCCTCA
GGGCAACCTAAGGCTCCATCAGTCTTCCCCTGGCCCCCTGCTGCGGGGACACACCCAGCTCCACGG
TGACCCTGGGCTGCCTGGTCAAAGGGTACCTCCCGGAGCCAGTGACCGTGACCTGGAACCTCGGGCA
CCCTCACCAATGGGGTACGCACCTTCCCGTCCGTCCGGCAGTCCTCAGGCCTCTACTCGCTGAGCAG
CGTGGTGGAGCGTGACCTCAAGCAGCCAGCCCGTCACCTGCAACGTGGCCACCCAGCCACCAACAC
CAAAGTGGACAAGACCGTTGCGCCCTCGACATGCAGCAAGCCCACGTGCCACCCCTGAACTCCTG
GGGGACCGTCTGTCTTCATCTTCCCCCAAACCAAGGACACCCTCATGATCTCACGCACCCCGA
GGTCACATGCGTGGTGGTGGACGTGAGCCAGGATGACCCCGAGGTGCAGTTCACATGGTACATAACA
ACGAGCAGGTGCGCACCCGCCCGCCGCTACGGGAGCAGCAGTTCAACAGCAGATCCGCGTGG
TCAGCACCCCTCCCATCGCGCACCCAGGACTGGCTGAGGGGCAAGGAGTTCAAGTGCAAAGTCCACAA
CAAGGCACTCCCGGCCCCCATCGAGAAAACCATCTCCAAAGCCAGAGGGCAGCCCTGGAGCCGAA
GGTCTACACCATGGGCCCTCCCGGGAGGAGCTGAGCAGCAGGTCCGGTCAGCCTGACCTGCATGATC
AACGGCTTCTACCCTTCCGACATCTCGGTGGAGTGGGAGAAGAACGGGAAGGCAGAGGACAACACTACA
AGACCACGCCGGCCGTGCTGGACAGCGACGGCTCCTACTTCTCTACAGCAAGCTCTCAGTGCCAC
GAGTGAGTGGCAGCGGGGCGACGTCTTCACCTGCTCCGTGATGCACGAGGCCCTGCACAACCACTAC
ACGCAGAAGTCCATCTCCCGCTCTCCGGGTAAATGA

Protein sequence:

>SAIC-26C-15-H2

METGLRWLLLVAVLKGVQCQSVEESGGRLVTPGTALTLTCTVSGFSLNDHTMTWVRQAPGKGLEWIGSIA
SIGTTNYANWAKGRFTISKSTTTVDLKITSPTTEDTATYFCARGYAGSRLWGPGLVTVSSGQPKAPSVFPL
APCCGDTPSSTVTLGCLVKGYLPEPVTVTWNSGLTNGVVRTFPSVRQSSGLYLSVSVTSSSQPVTCN
VAHPATNTKVDKTVAPSTCSKPTCPPPELLGGPSVFIFPPKPKDTLMISRTPEVTCVVVDVSDQDDPEVQFT
WYINNEQVRTARPLREQQFNSTIRVVSTLPIAHQDWLRGKEFKCKVHNKALPAPIEKTISKARGQPLEPKV
YTMGPPREELSSRSVSLTCMINGFYPSDISVEWEKNGKAEDNYKTTPAVLDSGYSYFLYSKLSVPTSEWQ
RGDVFTCSVMHEALHNHYTQKSISRSPGK-

SAIC-26C-15-L15, NFKB2, IEVDLVTHSDPPR

>SAIC-26C-15-L15

ATG GACACGAGGGCCCCACTCAGCTGCTGGGGCTCCTGCTGCTCTGGCTCCAGGTGCCACATTTG
CCCAAGTGCTGACCCAGACTCCATCCTCCGTGTCTGCAGCTGTGGGAGGCACAGTACCATCAATTGC
CAGTCCAGTCAGAGTGTTTATAATAAGAACTACTTAGCCTGGTTTCAGCAGAAACCAGGGCAGCCTCCC
AAGCTCCTGATGTATGATGCATCCAATCTGGAACTGGGGTCCCATCGCGATTCAAAGGCAGTGGATCT
GGGACACAGTTCCTACTCTCACCATCAGCGGCGTGACGTGTGACGATGCTGCCACTTACTACTGTCAAGG
CACTTATTATAGTAGTGGTTGGTACCTTGCTTTCGGCGGAGGGACCGAGGTGGTGGTCAAA
GGTGTCCAGTTGCACCTACTGTCCTCATCTTCCCACCAGCTGCTGATCAGGTGGCAACTGGAACAGT
CACCATCGTGTGTGGCGAATAAATACTTCCCGATGTCACCGTACCTGGGAGGTGGATGGCACCA

CCCAAACAACCTGGCATCGAGAACAGTAAACACCCGCAGAATTCTGCAGATTGTACCTACAACCTCAGCA
GCACTCTGACACTGACCAGCACACAGTACAACAGCCACAAAGAGTACACCTGCAAGGTGACCCAGGG
CACGACCTCAGTCGTCAGAGCTTCAATAGGGGTGACTGTAG

Protein sequence:

>SAIC-26C-15-L15

MDTRAPTQLLGLLLLWLPGATFAQVLTQTPSSVSAVGGTVTINCQSSQSVYNKNYLAWFQQKPGQPPKL
LMYDASNLETGVPSRFKSGSGTQFTLTISGVQCDDAATYYCQGTYYSSGWYLAFGGGTEVVVKGDPVA
PTVLIFPPAADQVATGTVTIVCVANKYFPDVTVTWEVDGTTQTTGIENSKTPQNSADCTYNLSSTLTLTSTQ
YNSHKEYTCKVTQGTTSVVQSFNRGDC-

SAIC-27C-101-H1, PCNA, LVQGSILK

>SAIC-27C-101-H1

ATG GAGACTGGGCTGCGCTGGCTTCTCCTGGTCGCTGTGCTCAAAGGTGTCCAGTGTCCAGGAGCAGC
TGAAGGAGTCCGGAGGAGGCCTGGTAACGCCTGGAGGAACCCTGACACTCACCTGCACAGCCTCTG
GAATCGACCTCAGTAGCAATGCAATGAGCTGGGTCCGCCAGGCTCCAGGGGAGGGGGCTGGAATGGAT
CGGAATCAATAATAGTGGTGGCAGGGTATATTACGCGAGCTGGGCAAAGGCCGATTACCATCTCCAA
AACCTCGACCACGGTGGCTCTGAAAATGACCAGTCTGACAGCCGCGGACACGGCCACCTATTTCTGTG
CCAGAGGAGATACTACTGTCCCCTTTACGTTGTGGGGCCCAGGCACCCTGGTCACCGTCTCCTCA
GGGCAACCTAAGGCTCCATCAGTCTTCCCCTGGCCCCCTGCTGCGGGGACACACCCAGCTCCACGG
TGACCCTGGGCTGCCTGGTCAAAGGGTACCTCCCGGAGCCAGTGACCGTGACCTGGAACCTCGGGCA
CCCTCACCAATGGGGTACGCACCTTCCCGTCCGTCCGGCAGTCCTCAGGCCTCTACTCGCTGAGCAG
CGTGGTGAGCGTGACCTCAAGCAGCCAGCCCGTCACCTGCAACGTGGCCACCCAGCCACCAACAC
CAAAGTGGACAAGACCGTTGCGCCCTCGACATGCAGCAAGCCCACGTGCCACCCCCCTGAACTCCTG
GGGGGACCGTCTGTCTTCATCTTCCCCCAAACCAAGGACACCCTCATGATCTCACGCACCCCCGA
GGTCACATGCGTGGTGGTGGACGTGAGCCAGGATGACCCCGAGGTGCAGTTCACATGGTACATAAACA
ACGAGCAGGTGCGCACCCGCCCGCCGCTACGGGAGCAGCAGTTCAACAGCAGATCCGCGTGG
TCAGCACCCCTCCCATCGCGCACCCAGGACTGGCTGAGGGGCAAGGAGTTCAAGTGCAAAGTCCACAA
CAAGGCACTCCCGGCCCCCATCGAGAAAACCATCTCAAAGCCAGAGGGCAGCCCTGGAGCCGAA
GGTCTACACCATGGGCCCTCCCGGGAGGAGCTGAGCAGCAGGTCCGGTCAGCCTGACCTGCATGATC
AACGGCTTCTACCCTTCCGACATCTCGGTGGAGTGGGAGAAGAACGGGAAGGCAGAGGACAACACTACA
AGACCACGCCGGCCGTGCTGGACAGCGACGGCTCCTACTTCTCTACAGCAAGCTCTCAGTGCCAC
GAGTGAGTGGCAGCGGGGCGACGTCTTACCTGCTCCGTGATGCACGAGGCCCTGCACAACCACTAC
ACGCAGAAGTCCATCTCCCGCTCTCCGGGTAAATGA

Protein sequence:

>SAIC-27C-101-H1

METGLRWLLLVAVLKGVQCQEQLKESGGGLVTPGGTLTLTCTASGIDLSSNAMSWVRQAPGEGLEWIGIN
NSGGRVYYASWAKGRFTISKSTTTVALKMTSLTAADTATYFCARGDTPFTLWPGTLVTVSSGQPKAP
SVFPLAPCCGDTSPSTVTLGCLVKGYLPEPVTVTWNSGTLTNGVVRTFPSVRQSSGLYSLSSVSVTSSSQP
VTCNVAHPATNTKVDKTVAPSTCSKPTCPPPELLGGPSVFIFPPKPKDTLMISRTPEVTCVVVDVSDQDPEV
QFTWYINNEQVRTARPLREQQFNSTIRVVSTLPIAHQDWLRGKEFKCKVHNKALPAPIEKTISKARGQPLE
PKVYTMGPPREELSSRSVSLTCMINGFYPSDISVEWEKNGKAEDNYKTPAVLDSGYSFLYKLSVPTSE
WQRGDVFTCSVMHEALHNHYTQKSISRSPGK-

SAIC-27C-101-L4, PCNA, LVQGSILK

>SAIC-27C-101-L4

ATG GCCTGCACCCCGCTCCTCCTCCTCACCCTCCTCCAGAGCACAGGGTCCCTGTCTCAGCCTG
TGCTGACTCAGTCGCCCTCTGCATCTGCCACCCTGGGAGCCTCGGCCAAGCTCACCTGCACTCTGAG
CAGTGCCACAGAACCTACTATATTGAATGGTATCAGCAGCAGCAAGGGGAGGCCCTCGGTACCTGA
TGCAGCTTAAGAGTGATGGAAGCTACACCAAGGGGACCGGGGTCCCTGATCGCTTCTCGGGCTCCAG
CTCTGGGGCTGACCGCTACTTGATCATCTCCAGCGTCCAGGCTGAGGACGAAGCTGACTACATCTGTG
GTGTAAGTACTGACTGGTCTTTATGTTTTCGGCGGAGGGACCCAGCTGACCGTCACAGGTCAGCCCGC
GGTGACC
CCCTCGGTCATTCTGTTCCCGCCCTCCTCTGAGGAACTCAAGGACAACAAGGCTACCCTGGTGTGTCT
GATCAATGACTTCTACCCAGAACCGTGAAGGTAACTGGAAGGCAGATGGCAACTCTGTACCCAGG

GCGTGGACACCACCCAGCCCTCCAAACAGAGCAACAACAAGTACGCGGCCAGCAGCTTCCTCAGCCT
GTCAGCCAATCAATGGAAATCCTACCAGAGTGTACCTGCCAGGTCACGCACGAGGGCCACACTGTG
GAGAAGAGCCTGGCCCCTGCAGAATGCTCC**TAG**

Protein sequence:

>SAIC-27C-101-L4

MACTPLLLLLLTLQSTGSLSQPVLTQSPSASATLGASAKLTCTLSSAHRYYIEWYQQQQGEAPRYLMQLK
SDGSYTKGTGVPDRFSGSSSGADRYLISSVQAEDEADYICGVTDGLYVFGGGTQLTVTGQPAVT
PPSSEELKDNKATLVCLINDFYPRTVKVNWKADGNSVTQGVDTTQPSKQSNNKYAASSFLSLSANQWKS
YQSVTCQVTHEGHTVEKSLAPAEC-

SAIC-28A-29-H2, RAD23B, ILNDDTALK

>SAIC-28A-29-H2

ATG GAGACTGGGCTGCGCTGGCTTCTCCTGGTCGCTGTGCTCAAAGGTGTCCAGTGTGTCAGTCGGTGG
AGGAGTCCGGGGGTGCGCTGGTAGCGCCTGGAGGATCCCTGACACTCACCTGCACAGTCTCTGGAAT
CGACATCAGTAATTATCCAGTGGGCTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAATGGATCGGA
GCCATTAGTGATGTTGGTATTACATACTACGCGAGCTGGGCGAAAGGCCGATTACCATCTCCAGAGCC
TCGTCGACCACGGTGGATCTGAAAATGACCAGTACGACAACCGAGGACACGGCCACCTATTTTTGTGC
CAGAGGGTTTGTGGTGGTAGTAGTTCAAGTAACTTGTGGGGCCAGGCACCCTGGTCACCGTCTCCT
CA

GGGCAACCTAAGGCTCCATCAGTCTTCCCACTGGCCCCCTGCTGCGGGGACACACCCAGCTCCACGG
TGACCCTGGGCTGCCTGGTCAAAGGGTACCTCCCGGAGCCAGTGACCGTGACCTGGAACCTCGGGCA
CCCTACCAATGGGGTACGCACCTTCCCGTCCGTCCGGCAGTCCCTCAGGCCTCTACTCGCTGAGCAG
CGTGGTGAAGCGTGACCTCAAGCAGCCAGCCCGTCACTGCAACGTGGCCACCCAGCCACCAACAC
CAAAGTGGACAAGACCGTTGCGCCCTCGACATGCAGCAAGCCCACGTGCCACCCCTGAACTCCTG
GGGGACCGTCTGTCTTTCATCTTCCCCCAAACCAAGGACACCCTCATGATCTCACGCACCCCGA
GGTCACATGCGTGGTGGTGGACGTGAGCCAGGATGACCCCGAGGTGCAGTTCACATGGTACATAAACA
ACGAGCAGGTGCGCACCGCCCGGCCGCGCTACGGGAGCAGCAGTTCAACAGCAGCAGTCCGCGTGG
TCAGCACCCCTCCCATCGCGCACCAAGGACTGGCTGAGGGGCAAGGAGTTCAAGTGCAAAGTCCACAA
CAAGGCACTCCCGGCCCCCATCGAGAAAACCATCTCAAAGCCAGAGGGCAGCCCTGGAGCCGAA
GGTCTACACCATGGGCCCTCCCGGGAGGAGCTGAGCAGCAGGTCCGGTCAGCCTGACCTGCATGATC
AACGGCTTCTACCCTTCCGACATCTCGGTGGAGTGGGAGAAGAACGGGAAGGCAGAGGACAACACTACA
AGACCACGCCGGCCGTGCTGGACAGCGACGGCTCTACTTCTCTACAGCAAGCTCTCAGTGCCAC
GAGTGAGTGGCAGCGGGGCGACGTCTTACCTGCTCCGTGATGCACGAGGCCTTGACAACCACTAC
ACGCAGAAGTCCATCTCCCGCTCTCCGGGTAAATGA

Protein sequence:

>SAIC-28A-29-H2

METGLRWLLLVAVLKGVQCQSVEESGGRLVAPGGSLTCTVSGIDISNYPVGVWRQAPGKLEWIGAISD
VGITYYASWAKGRFTISRASSTTVDLKMTSTTTEDTATYFCARGFVGGSSSSNLWGPGLVTVSSGQPKAP
SVFPLAPCCGDTSPSTVTLGCLVKGYLPEPVTVTWNSGLTNGVRTFPSVRQSSGLYSLSSVSVTSSSQP
VTCNVAHPATNTKVDKTVAPSTCSKPTCPPPELLGGPSVFIFFPKPKDTLMISRTPEVTCVVVDVSQDDPEV
QFTWYINNEQVRTARPLREQQFNSTIRVVSTLPIAHQDWLRGKEFKCKVHNKALPAIEKTISKARGQPLE
PKVYTMGPPREELSSRSVSLTCMINGFYPSDISVEWEKNGKAEDNYKTPAVLDSGYSFLYSKLSVPTSE
WQRGDVFTCSVMHEALHNHYTQKSISRSPGK-

SAIC-28A-29-L3, RAD23B, ILNDDTALK

>SAIC-28A-29-L3

ATG GACACGAGGGCCCCCACTCAGCTGCTGGGGCTCCTGCTGCTCTGGCTCCAGGTGCCACATTTG
CGCAAGTGCTGACCCAGGCTGCATCGTCCGTGTCTGCAGCTGTGGGAGGCACAGTCACCATCAGTTG
CCAGTCCAGTCAGAGTGTTATAATAACAACAACCTTAGGCTGGTTTCAGCAGAAACCAGGGCAGCCTCC
CAAGCGCCTGATCTATAGGGCATCCAATCTGGAATCTGGGGTCCCATCGCGGTTCAAAGGCACTGGAT
CTGGGACACAGTTCCTCCTCACCATCAGTGACCTGCAGTGTGACGATGCTGCCACTTACTACTGTGCA
GGCGCTTATAGTGGTAACATTGGTGCTTTCGGCGGAGGGACCGAGGTGGTGGTCAAA
GGTGTCCAGTTGCACCTACTGTCCTCATCTTCCACCAGCTGCTGATCAGGTGGCAACTGGAACAGT

CACCATCGTGTGTGTGGCGAATAAATACTTTCCCGATGTCACCGTCACCTGGGAGGTGGATGGCACCA
CCCAAACAACCTGGCATCGAGAACAGTAAACACCGCAGAATTCTGCAGATTGTACCTACAACCTCAGCA
GCACTCTGACACTGACCAGCACACAGTACAACAGCCACAAAGAGTACACCTGCAAGGTGACCCAGGG
CACGACCTCAGTCGTCCAGAGCTTCAATAGGGGTGACTGTAG

Protein sequence:

>SAIC-28A-29-L3

MDTRAPTQLLGLLLLWLPGATFAQVLTQAASSVSAAVGGTVTISCQSSQSVYNNNNLWGFQQKPGQPPKR
LIYRASNLESGVPSRFKGTGSGTQFTLTISDLQCDDAATYYCAGAYSGNIGAFGGGTEVVVKGDPVAPTVLI
FPPAADQVATGTVTIVCVANKYFPDVTVTWEVDGTTQTTGIENSKTPQNSADCTYNLSSTLTLTSTQYN
SH
KEYTCKVTQGTTSVVQSFNRGDC-

SAIC-28B-8-H5, RAD23B, IDIDPEETVK

>SAIC-28B-8-H5

ATG GAGACTGGGCTGCGCTGGCTTCTCCTGGTCGCTGTGCTCAAAGGTGTCCAGTGTGTCAGTCGGTGA
AGGAGTCCGAGGGAGGCCTGTTCAAGCCTGGGGGATCCCTGACACTCACCTGCACAGTCTCTGGATT
CTCCCTCAGTATCAATGCAATAACCTGGGTCCGCCAGGCTCCAGGGAACGGGCTGGAATGGATCGGAG
CCATTGATATTAGTGGTACCGGATACTACGCGACTTGGGCGGAAAGCCGATCCACCATCACCAGAAACA
CCAACCTGAATACGGTGACTCTGAAAATGACCAGGCTGACAGCCGCGGACACGGCCACCTATTTCTGT
GCGAGAGGTGGTATTACTAGGATTA ACTTGTGGGGGCCAGGCACCCTGGTCACCGTCTCCTCA
GGGCAACCTAAGGCTCCATCAGTCTTCCCACTGGCCCCCTGCTGCGGGGACACACCCAGCTCCACGG
TGACCCTGGGCTGCCTGGTCAAAGGGTACCTCCCGGAGCCAGTGACCGTGACCTGGA ACTCGGGCA
CCCTCACCAATGGGGTACGCACCTTCCCGTCCGTCCGGCAGTCCTCAGGCCTCTACTCGCTGAGCAG
CGTGGTGAGCGTGACCTCAAGCAGCCAGCCCGTCACCTGCAACGTGGCCACCCAGCCACCAACAC
CAAAGTGGACAAGACCGTTGCGCCCTCGACATGCAGCAAGCCACGTGCCACCCCTGAACTCCTG
GGGGGACCGTCTGTCTTCATCTTCCCCCAAACCAAGGACACCCTCATGATCTCACGCACCCCGA
GGTCACATGCGTGGTGGTGGACGTGAGCCAGGATGACCCCGAGGTGCAGTTCACATGGTACATAACA
ACGAGCAGGTGCGCACCCGCCCGCCGCTACGGGAGCAGCAGTTCAACAGCAGATCCGCGTGG
TCAGCACCCCTCCCATCGCGCACCCAGGACTGGCTGAGGGGCAAGGAGTTCAAGTGCAAAGTCCACAA
CAAGGCACTCCCGGCCCCCATCGAGAAAACCATCTCAAAGCCAGAGGGCAGCCCTGGAGCCGAA
GGTCTACACCATGGGCCCTCCCGGGAGGAGCTGAGCAGCAGGTCCGGTCAGCCTGACCTGCATGATC
AACGGCTTCTACCCTTCCGACATCTCGGTGGAGTGGGAGAAGAACGGGAAGGCAGAGGACA ACTACA
AGACCACGCCGGCCGTGCTGGACAGCGACGGCTCCTACTTCTCTACAGCAAGCTCTCAGTGCCAC
GAGTGAGTGGCAGCGGGGCGACGTCTTCACCTGCTCCGTGATGCACGAGGCCTTGACAACCACTAC
ACGCAGAAGTCCATCTCCCGCTCTCCGGGTAAATGA

Protein sequence:

>SAIC-28B-8-H5

METGLRWLLLVAVLKGVQCQSVKESEGGLFKPGGSLTLTCTVSGFSLSINAITWVRQAPNGLEWIGIDIS
GTGYYATWAESRSTITRNTNLNTVTLKMTRLTAADTATYFCARGGITRINLWGPGLVTVSSGQPKAPSVF
PLAPCCGDTPSSTVTLGCLVKGYLPEPVVTWNSGTLNNGVRFPSVRQSSGLYLSVVSVTSSSQPVT
CNVAHPATNTKVDKTVAPSTCSKPTCPPPELLGGPSVFIFPPKPKDTLMISRTPEVTCVVVDVSQDDPEVQ
FTWYINNEQVRTARPPLREQQFNSTIRVVSTLPIAHQDWLRGKEFKCKVHNKALPAPIEKTISKARGQPLEP
KVYTMGPPREELSSRSVSLTCMINGFYPSDISVEWEKNGKAEDNYKTTPAVLDSGDSYFLYSKLSVPTSEW
QRGDVFTCSVMHEALHNHYTQKSISRSPGK-

SAIC-28B-8-L3, RAD23B, IDIDPEETVK

>SAIC-28B-8-L3

ATG GACACGAGGGCCCCACTCAGCTGCTGGGGCTCCTGCTGCTCTGGCTCCAGGTGCCACATTTG
CCGCCGTGCTGACCCAGACTGCATCCCCGTGTCTGCAGCTGTGGGAGGCACAGTCAGCATCAGTTG
CCAGTCCAGTAAGAGTGTTTATAAGAACA ACTACTTAGCCTGGTTTCAGCAGAAACCAGGGCAGCCTCC
CAA ACTCCTGATCTATTATGCATCCACTCTGGCATCTGGGGTCCCATCGCGCTTCAAAGGCAGTGGATC
TGGGACACAGTTC ACTCTCACCATCAGCGACGTGCAGTGTGGCGATGCTGCCACTTATTACTGTGCAG
GCGCTTATAATAGTAATAGTGATAATGCTTTCGGCGGAGGGACCGAGGTGGTGGTCAA
GGTGATCCAGTTGCACCTACTGTCCTCATCTTCCCACCAGCTGCTGATCAGGTGGCAACTGGAACAGT
CACCATCGTGTGTGTGGCGAATAAATACTTCCCAGTGTACCGTCACCTGGGAGGTGGATGGCACCA

CCCAAACAACCTGGCATCGAGAACAGTAAACACCGCAGAATTCTGCAGATTGTACCTACAACCTCAGCA
GCACTCTGACACTGACCAGCACACAGTACAACAGCCACAAAGAGTACACCTGCAAGGTGACCCAGGG
CACGACCTCAGTCGTCCAGAGCTTCAATAGGGGTGACTGTAG

Protein sequence:

>SAIC-28B-8-L3

MDTRAPTQLLGLLLLWLPGATFAAVLTQTASPVSAAVGGTVSISCQSSKSVYKNNYLAWFQQKPGQPPKLL
IYYASTLASGVPSRFKGSQSGTQFTLTISDVQCDAATYYCAGAYNSNSDNAFGGGTEVVVKGDPVAPT
VLIFFPAADQVATGTVTIVCVANKYFPDVTVTWEVDGTTQTTGIENSKTPQNSADCTYNLSSTLTLTSTQYN
SHKEYTCKVTQGTTSVVQSFNRGDC-

SAIC-30C-18-H1, RRM2, IEQEFLTEALPVK

>SAIC-30C-18-H1

ATG GAGACTGGGCTGCGCTGGCTTCTCCTGGTCGCTGTGCTCAAAGGTGTCCAGTGTCAAGTTCGATGG
AGGAGTCCGGGGTTCGCTGGTACGCCTGGGACACCCCTGACACTCACCTGTAAAGTCTCTGGATT
CTCCCTCAGTGGCTTTGGAATAAGCTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGCAATGGATCGGA
ATCATTAGTAGTACTGGTAACACATACTACGCGAGCTGGGCGAAGGGCCGATTACCGTCTCAAATCC
TCGTGACCACGGTGGACCTGAAAATGACCGGTCTGACAACCGAGGACACGGCCACCTATTTCTGTAC
CAGAGGATGGGCTGGTGGTTTTGCTCCCTGGGGCCCAGGCGCCCTGGTCACCGTCTCCTCA
GGGCAACCTAAGGCTCCATCAGTCTTCCCACTGGCCCCCTGCTGCGGGGACACACCCAGCTCCACGG
TGACCCTGGGCTGCCTGGTCAAAGGGTACCTCCCGGAGCCAGTGACCGTGACCTGGAACCTCGGGCA
CCCTCACCAATGGGGTACGCACCTTCCCGTCCGTCCGGCAGTCCTCAGGCCTCTACTCGCTGAGCAG
CGTGGTGAGCGTGACCTCAAGCAGCCAGCCCGTCACCTGCAACGTGGCCACCCAGCCACCAACAC
CAAAGTGGACAAGACCGTTGCGCCCTCGACATGCAGCAAGCCCACGTGCCACCCCTGAACTCCTG
GGGGACCGTCTGTCTTCATCTTCCCCCAAACCAAGGACACCCTCATGATCTCACGCACCCCGA
GGTCACATGCGTGGTGGTGGACGTGAGCCAGGATGACCCCGAGGTGCAGTTCACATGGTACATAACA
ACGAGCAGGTGCGCACCCGCCCGCCGCTACGGGAGCAGCAGTTCAACAGCACGATCCGCGTGG
TCAGCACCTCCCATCGCGCACCCAGGACTGGCTGAGGGGCAAGGAGTTCAAGTGCAAAGTCCACAA
CAAGGCACTCCCGGCCCCCATCGAGAAAACCATCTCAAAGCCAGAGGGCAGCCCTGGAGCCGAA
GGTCTACACCATGGGCCCTCCCGGGAGGAGCTGAGCAGCAGGTCCGGTCAGCCTGACCTGCATGATC
AACGGCTTCTACCCTTCCGACATCTCGGTGGAGTGGGAGAAGAACGGGAAGGCAGAGGACAACACTACA
AGACCACGCCGGCCGTGCTGGACAGCGACGGCTCCTACTTCTCTACAGCAAGCTCTCAGTGCCAC
GAGTGAGTGGCAGCGGGGCGACGTCTTACCTGCTCCGTGATGCACGAGGCCCTGCACAACCACTAC
ACGCAGAAGTCCATCTCCCGCTCTCCGGGTAAATGA

Protein sequence:

>SAIC-30C-18-H1

METGLRWLLLVAVLKGVQCQSMEESGGRLVTPGTPLTLTCKVSGFSLSGFGISWVRQAPGKGLQWIGIIS
TGNTYYASWAKGRFTVSKSSSTTVDLKMTGLTTEDTATYFCTRGWAGGFAPWGPALVTVSSGQPKAPS
VFPLAPCCGDTPSSTVTLGCLVKGYLPEPVTVTWNSGTLTNGVRTFPSVRQSSGLYSLSSVSVTSSSQPV
TCNVAHPATNTKVDKTVAPSTCSKPTCPPPELLGGPSVFIFPPKPKDTLMISRTPEVTCVVVDVSDDDPEV
QFTWYINNEQVRTARPLREQQFNSTIRVVSTLPIAHQDWLRGKEFKCKVHNKALPAPIEKTISKARGQPLE
PKVYTMGPPREELSSRSVSLTCMINGFYPSDISVEWEKNGKAEDNYKTPAVLSDSGSYFLYSLKLSVPTSE
WQRGDVFTCSVMHEALHNHYTQKSISRSPGK-

SAIC-30C-18-L3, RRM2, IEQEFLTEALPVK

>SAIC-30C-18-L3

ATG GACACGAGGGCCCCACTCAGCTGCTGGGGCTCCTGCTGCTCTGGCTCCAGGTGCCATATGTG
ACCCTGTGATGACCCAGACTCCATCTTCCACGTCTGCGGCTGTGGGAGGCACAGTCAGCATCAGTTGC
CAGTCCAGTCAGAGTGTTTATAGTAACTACTTATCCTGGTATCAGCAGAAACCAGGGCAGCCTCCCAAG
CTCCTGATCTACAAGGCATCCACTCTGGCATCTGGGGTCCCATCGCGGTTCAAAGGCAGTGGATCTGG
GACACAGTTCACTCTACCATCAGCGACGTGCAGTGTGACGATGCTGCCACTTACTACTGTCAAGGCA
TTTATAGTGGTAATATTTACGGTTTCGGCGGAGGGACCGAGGTGGTGGTTAAA
GGTGTCCAGTTGCACCTACTGTCCTCATCTTCCCACCAGCTGCTGATCAGGTGGCAACTGGAACAGT
CACCATCGTGTGTGGCGAATAAATACTTTCCCGATGTCACCGTACCTGGGAGGTGGATGGCACCA

CCCAAACAACCTGGCATCGAGAACAGTAAACACCGCAGAATTCTGCAGATTGTACCTACAACCTCAGCA
GCACTCTGACACTGACCAGCACACAGTACAACAGCCACAAAGAGTACACCTGCAAGGTGACCCAGGG
CACGACCTCAGTCGTCCAGAGCTTCAATAGGGGTGACTGTAG

Protein sequence:

>SAIC-30C-18-L3

MDTRAPTQLLGLLLLWLPGAICDPVMTQTPSSTSAAVGGTVSISCQSSQSVYSNYLSWYQQKPGQPPKLLI
YKASTLASGVPSRFRKSGSGTQFTLTISDVQCDDAATYYCQGIYSGNIYGFGGGTEVVVKGDPVAPTVLIFP
PAADQVATGTVTIVCVANKYFPDVTVTWEVDGTTQTTGIENSKTPQNSADCTYNLSSTLTLTSTQYNSHKE
YTCKVTQGTTSVVQSFNRGDC-

SAIC-30E-7-H2, RRM2, DIQHWESLKPEER

>SAIC-30E-7-H2

ATG GAGACTGGGCTGCGCTGGCTTCTCCTGGTCGCTGTGCTCAAAGGTGTCCAGTGTGAGTCCGGTGG
AGGAGTCCGGGGGTGCGCTGGTCACGCCTGGGACACCCCTGACACTCACCTGCACAGTCTCTGGATT
CTCCCTCAATAGCTATGCAATGAGTTGGGTCCGCCAGGCTCCAGGGAAGGGACTGGAATGGATCGGAG
TCATTGGTAATAATGGTATGACATGGTACGCGAGCTGGGCGAAAGGCCGATTACACCATCTCCAAAACCT
CGACCACGGTGGATCTGAAAATGACCAGTCTGACAACCGAGGACACGGCCACCTATTTCTGTGCCAGT
AGTGCTACTGCTAATACTACTACGCCATGGACCTCTGGGGCCCAGGGACCCTCGTCACCGTCTCTTC

A

GGGCAACCTAAGGCTCCATCAGTCTTCCCACTGGCCCCCTGCTGCGGGGACACACCCAGCTCCACGG
TGACCCCGGGCTGCCTGGTCAAAGGGTACCTCCCGGAGCCAGTGACCGTGACCTGGAACCTCGGGCA
CCCTACCAATGGGGTACGCACCTTCCCGTCCGTCCGGCAGTCCCTCAGGCCCTACTCGCTGAGCAG
CGTGGTGAGCGTGACCTCAAGCAGCCAGCCCGTCACCTGCAACGTGGCCCACCCAGCCACCAACAC
CAAAGTGGACAAGACCGTTGCGCCCTCGACATGCAGCAAGCCCACGTGCCACCCCTGAACTCCTG
GGGGACCGTCTGTCTTTCATCTTCCCCCAAAACCAAGGACACCCCTCATGATCTCACGCACCCCGA
GGTCACATGCGTGGTGGTGGACGTGAGCCAGGATGACCCCGAGGTGCAGTTCACATGGTACATAAACA
ACGAGCAGGTGCGCACCCGCCCGCCGCTACGGGAGCAGCAGTTCAACAGCAGCAGTCCGCGTGG
TCAGCACCCCTCCCATCGCGCACCCAGGACTGGCTGAGGGGCAAGGAGTTCAAGTGCAAAGTCCACAA
CAAGGCACTCCCGGCCCCCATCGAGAAAACCATCTCAAAGCCAGAGGGCAGCCCTGGAGCCGAA
GGTCTACACCATGGGCCCTCCCGGGAGGAGCTGAGCAGCAGGTCCGGTCAGCCTGACCTGCATGATC
AACGGCTTCTACCCTTCCGACATCTCGGTGGAGTGGGAGAAGAACGGGAAGGCAGAGGACAACACTACA
AGACCACGCCGGCCGTGCTGGACAGCGACGGCTCTACTTCTCTACAGCAAGCTCTCAGTGCCAC
GAGTGAGTGGCAGCGGGGCGACGTCTTACCTGCTCCGTGATGCACGAGGCCTTGACAACCACTAC
ACGCAGAAGTCCATCTCCCGCTCTCCGGGTAAATGA

Protein sequence:

>SAIC-30E-7-H2

METGLRWLLLVAVLKGVQCQSVEESGGRLVTPGTPLTLTCTVSGFSLNSYAMSWVRQAPGKGLEWIGVIG
NNGMTWYASWAKGRFTISKSTTVDLKMTSLTTEDTATYFCASSATANTYYAMDLDWGPGLVTVSSGQPK
APSVFPLAPCCGDTPSSTVTPGCLVKGYLPEPVTVTWNSGTLTNGVRTFPSVRQSSGLYSLSSVSVTSSS
QPVTCNVAHPATNTKVDKTVAPSTCSKPTCPPPELLGGPSVFIFPPKPKDTLMISRTPEVTCVVVDVSDQDD
PEVQFTWYINNEQVTRARPLREQQFNSTIRVVSTLPIAHQDWLRGKEFKCKVHNKALPAPIEKTISKARGQ
PLEPKVYTMGPPREELSSRSVSLTCMINGFYPSDISVEWEKNGKAEDNYKTPAVLDSGYSFLYSKLSVP
TSEWQRGDVFTCSVMHEALHNHYTQKSISRSPGK-

SAIC-30E-7-L3, RRM2, DIQHWESLKPEER

>SAIC-30E-7-L3

ATG GACACGAGGGCCCCCACTCAGCTGCTGGGGCTCCTGCTGCTCTGGCTCCAGGTGCCACATTTG
CCATCGTGATGACCCAGACTCCATCTTCCACGTCTGCAGCTGTGGGAGGCACAGTCACCATCAATTGC
CAGGCCAGTGAGAGTCTTTATGGTAACAACCGCTTAGCCTGGTTTCAACAGAAACCAGGGCAGCCTCC
CAAGCTCCTGATCTATTCTGCATCCACTCTGGATTCTGGGGTCTCATCGCGGTTCAAAGGCAGTGGATC
TGGGACACAGTTCACTCTCACCATCAGCGATGTGGTGTGTGGCGATGCTGCCACTTACTACTGTGCAG
GATATAAACTACTAGTACTGATGGTACTTCTTTCGGCGGAGGGACCGAGGTGGTGGTCAA
GGTGATCCAGTTGCACCTACTGTCCTCATCTTCCACCAGCTGCTGATCAGGTGGCAACTGGAACAGT

CACCATCGTGTGTGTGGCGAATAAATACTTTCCCGATGTCACCGTCACCTGGGAGGTGGATGGCACCA
CCCAAACAACCTGGCATCGAGAACAGTAAACACCGCAGAATTCTGCAGATTGTACCTACAACCTCAGCA
GCACTCTGACACTGACCAGCACACAGTACAACAGCCACAAAGAGTACACCTGCAAGGTGACCCAGGG
CACGACCTCAGTCGTCCAGAGCTTCAATAGGGGTGACTGTAG

Protein sequence:

>SAIC-30E-7-L3

MDTRAPTQLLGLLLLWLPGATFAIVMTQTPSSTSAAVGGTVTINCQASESLYGNNRLAWFQQKPGQPPKLL
IYSASTLD SGVSSRFKGS GSGTQFTLTISDVVCGDAATYYCAGYKTTSTDGTSFGGGTEVVVKGDPVAPT
V LIFPPAADQVATGTVTIVCVANKYFPDVTVTWEVDGTTQTTGIENSKTPQNSADCTYNLSSTLTLTSTQYNS
HKEYTCKVTQGTTSVVQSFNRGDC-

SAIC-31A-10-H3, SNCG, TVEEAENIAVTSGVVR

>SAIC-31A-10-H3

ATG GAGACTGGGCTGCGCTGGCTTCTCCTGGTCGCTGTGCTCAAAGGTGTCCAGTGTCAAGTGGCTGG
AGGAGTCCGGGGGTGCGCTGGTCACGCCTGGGACACCCCTGACACTCACCTGCACCGTCTCTGGATT
CTCCCTCAGTAGCGTCCGAGTGAATTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGATCGG
ATACGTTGATAATACTGGTAGGACAGTCTACGCGAGCTGGGCGAAAGGCCGATTACCATCTCCAGAAC
CTCGACCACGGTGGATCTCAAATCACCAGTCCGACAACCGAGGACACGGCCACCTATTTCTGTGCCA
AATACTTTAACTTGTGGGGCCAGGCACCCTGGTCACCGTCTCCTCA
GGGCAACCTAAGGCTCCATCAGTCTTCCCACTGGCCCCCTGCTGCGGGGACACACCCAGCTCCACGG
TGACCCTGGGCTGCCTGGTCAAAGGGTACCTCCCGGAGCCAGTGACCGTGACCTGGAACCTCGGGCA
CCCTCACCAATGGGGTACGCACCTTCCCGTCCGTCCGGCAGTCCTCAGGCCTCTACTCGCTGAGCAG
CGTGGTGAGCGTGACCTCAAGCAGCCAGCCCGTCACCTGCAACGTGGCCACCCAGCCACCAACAC
CAAAGTGGACAAGACCGTTGCGCCCTCGACATGCAGCAAGCCCACGTGCCACCCCCCTGAACTCCTG
GGGGGACCGTCTGTCTTCATCTTCCCCCAAACCAAGGACACCCTCATGATCTCACGCACCCCCGA
GGTCACATGCGTGGTGGTGGACGTGAGCCAGGATGACCCCGAGGTGCAGTTCACATGGTACATAACA
ACGAGCAGGTGCGCACCCGCCCGCCGCGCTACGGGAGCAGCAGTTCAACAGCAGATCCGCGTGG
TCAGCACCCCTCCCCATCGCGCACCCAGGACTGGCTGAGGGGCAAGGAGTTCAAGTGCAAAGTCCACAA
CAAGGCACTCCCGGCCCCCATCGAGAAAACCATCTCAAAGCCAGAGGGCAGCCCTGGAGCCGAA
GGTCTACACCATGGGCCCTCCCGGGAGGAGCTGAGCAGCAGGTCCGGTCAGCCTGACCTGCATGATC
AACGGCTTCTACCCTTCCGACATCTCGGTGGAGTGGGAGAAGAACGGGAAGGCAGAGGACAACACTACA
AGACCACGCCGGCCGTGCTGGACAGCGACGGCTCCTACTTCTCTACAGCAAGCTCTCAGTGCCAC
GAGTGAGTGGCAGCGGGGCGACGTCTTCACCTGCTCCGTGATGCACGAGGCCTTGACAACCACTAC
ACGCAGAAGTCCATCTCCCGCTCTCCGGGTAAATGA

Protein sequence:

>SAIC-31A-10-H3

METGLRWLLLVAVLKGVQCQSLEESGGRLVTPGTPLTLTCTVSGFSLSSVGVNWRQAPGKGLEWIGYVD
NTGRTVYASWAKGRFTISRTSTTVDLKITSPTTEDTATYFCAKYFNLWGPGLVTVSSGQPKAPSVFPLAPC
CGDTPSSTVTLGCLVKGYLPEPVVTWNSGTLNNGVRTFPSVRQSSGLYSLSSVSVTSSSQPVTCNVAH
PATNTKVDKTVAPSTCSKPTCPPPELLGGPSVFIFPPKPKDTLMISRTPEVTCVVVDVSDDEPEVQFTWYIN
NEQVRTARPLREQQFNSTIRVVSTLPIAHQDWLRGKEFKCKVHNKALPAPIEKTISKARGQPLEPKVYTMG
PPREELSSRSVSLTCMINGFYPSDISVEWEKNGKAEDNYKTTPAVLDSGYSFLYSKLSVPTSEWQRGDVF
TCSVMHEALHNHYTQKSISRSPGK-

SAIC-31A-10-L3, SNCG, TVEEAENIAVTSGVVR

>SAIC-31A-10-L3

ATG GACACGAGGGCCCCACTCAGCTGCTGGGGCTCCTGCTGCTCTGGCTCCAGGTGCCACATTTG
CGCAAGTGCTGACCCAGACTGCATCGTCCGTGTCTACAGCTGTGGGAGGCACAGTCACCATCAATTGT
CAGTCCAGTCAGAGCGTTTATGGTAACAACCTGGTTAGCCTGGTTTCAGCAGAAACCAGGGCAGCCTCC
CAAGCTCCTGATCTACGAAGCATCAAATTGGCATCTGGGGTCCCACCGCGGCTCAGCGGCAGTGGAT
CTGGGACACAGTTCACCTCTACCATCAGCGGCGTGCAGTGTGACGATGCTGCCACTTACTACTGTCTA
GGCGGTTATAGTGATAATATTTATATTTTCGGCGGAGGGACCGAGGTGGTGGTCAAG
GGTGTATCCAGTTGCACCTACTGTCCTCATCTTCCCACCAGCTGCTGATCAGGTGGCAACTGGAACAGT
CACCATCGTGTGTGTGGCGAATAAATACTTTCCCGATGTCACCGTCACCTGGGAGGTGGATGGCACCA

CCCAAACAACCTGGCATCGAGAACAGTAAAACACCGCAGAATTCTGCAGATTGTACCTACAACCTCAGCA
GCACTCTGACACTGACCAGCACACAGTACAACAGCCACAAAGAGTACACCTGCAAGGTGACCCAGGG
CACGACCTCAGTCGTCCAGAGCTTCAATAGGGGTGACTGTAG

Protein sequence:

>SAIC-31A-10-L3

MDTRAPTQLLGLLLLWLPGATFAQVLTQTASSVSTAVGGTVTINCQSSQSVYGNNWLAWFQQKPGQPPKL
LIYEASKLASGVPPRLSGSGSGTQFTLTISGVQCDDAATYYCLGGYSDNIYIFGGGTEVVVKGDPVAPT
LIFPPAADQVATGTVTIVCVANKYFPDVTVTWEVDGTTQTTGIENSKTPQNSADCTYNLSSTLTLTSTQYNSHK
EYTCKVTQGTTSVVQSFNRGDC-

SAIC-32C-205-H1, FSCN1, YLAPSGPSGTLK

>SAIC-32C-205-H1

ATG GAGACTGGGCTGCGCTGGCTTCTCCTGGTCGCTGTGCTCAAAGGTGCCAGTGTGAGTCGGTGG
AGGAGTCCAGGGGAGGCCTGATCAAGCCAACGGATACCCTGACTCACCTGCACAGTTTCTGGATTC
TCCCTCAGTAGCGATGCAATAAGCTGGGTCCGCCAGGCTCCAGGGAACGGGCTGGAATGGATCGGAG
CCGTTGGTGGTAGTGGTCGCACATACTACGCGAACTGGGCGAAAAGCCGATCCACCATCACCAGAAAC
ACCAACCTGAACACGGTACTCTGAAAATGACCAGTCTGACAGCCGCGGACACGGCCACCTATTTCTG
TGCGAGAGGAGGTTATGCTGCCGACATCTGGGGCCCAGGCACCCTGGTCACCGTCTCCTCA
GGGCAACCTAAGGCTCCATCAGTCTTCCCACTGGCCCCCTGCTGCGGGGACACACCCAGCTCCACGG
TGACCCTGGGCTGCCTGGTCAAAGGGTACCTCCCGGAGCCAGTGACCGTGACCTGGAACCTCGGGCA
CCCTCACCAATGGGGTACGCACCTTCCCGTCCGTCCGGCAGTCCTCAGGCCTCTACTCGCTGAGCAG
CGTGGTGAGCGTGACCTCAAGCAGCCAGCCCGTCACCTGCAACGTGGCCACCCAGCCACCAACAC
CAAAGTGGACAAGACCGTTGCGCCCTCGACATGCAGCAAGCCCACGTGCCACCCCCCTGAACTCCTG
GGGGACCGTCTGTCTTCATCTTCCCCC AAAACCCAAGGACACCCTCATGATCTCACGCACCCCCGA
GGTCACATGCGTGGTGGTGGACGTGAGCCAGGATGACCCCGAGGTGCAGTTCACATGGTACATAAACA
ACGAGCAGGTGCGCACCCGCCCGCCGCTACGGGAGCAGCAGTTCAACAGCAGATCCGCGTGG
TCAGCACCCCTCCCATCGCGCACCCAGGACTGGCTGAGGGGCAAGGAGTTCAAGTGCAAAGTCCACAA
CAAGGCACTCCCGGCCCCCATCGAGAAAACCATCTCAAAGCCAGAGGGCAGCCCTGGAGCCGAA
GGTCTACACCATGGGCCCTCCCGGGAGGAGCTGAGCAGCAGGTGCGGTCAGCCTGACCTGCATGATC
AACGGCTTCTACCCTTCCGACATCTCGGTGGAGTGGGAGAAGAACGGGAAGGCAGAGGACA ACTACA
AGACCACGCCGGCCGTGCTGGACAGCGACGGCTCCTACTTCTCTACAGCAAGCTCTCAGTGCCAC
GAGTGAGTGGCAGCGGGGCGACGTCTTACCTGCTCCGTGATGCACGAGGCCCTGCACAACCACTAC
ACGCAGAAGTCCATCTCCCGCTCTCCGGGTAAATGA

Protein sequence:

>SAIC-32C-205-H1

METGLRWLLLVAVLKGAQCQSVEESRGLIKPTD LTLTCTVSGFSLSSDAISWVRQAPNGLEWIGAVGG
SGRTYYANWAKSRSTITRNTNLNTVTLKMTSLTAADTATYFCARGGYAADIWGPGLVTVSSGQPKAPSVF
PLAPCCGDTPSSTVTLGCLVKGYLPEPVTVTWSGTLNNGVRFPSVRQSSGLYLSVVSVTSSSQPVT
CNVAHPATNTKVDKTVAPSTCSKPTCPPPELLGGPSVFIFPPKPKDTLMISRTPEVTCVVDVSDDEPEVQ
FTWYINNEQVRTARPPLREQQFNSTIRVVSTLPIAHQDWLRGKEFKCKVHNKALPAPIEKTISKARGQPLEP
KVYTMGPPREELSSRSVSLTCMINGFYPSDISVEWEKNGKAEDNYKTTPAVLDSGDSYFLYSKLSVPTSEW
QRGDVFTCSVMHEALHNHYTQKSISRSPGK-

SAIC-32C-205-L1, FSCN1, YLAPSGPSGTLK

>SAIC-32C-205-L1

ATG GACACGAGGGCCCCACTCAGCTGCTGGGGCTCCTGCTGCTCTGGCTCCAGGTGCCACATTTG
CCCAAGTGCTGACCCAGACTGCATCCCCGTGTCTGCGGCTGTGGGAGGCACAGTCACCATCAATTG
CCAGTCCAGTCAGAGTGTTTATAATAAGAACTACTTATCCTGGTTTCAGAAGAGGCCAGGGCAACCTCC
CAAGCGCCTGATCTGGTCTGCATCCACTCTGGCATCTGGGGTCTCATCGCGGTTCAAAGGCAGTGGAT
CTGGGACACAGTTCACTCTACCATCAGCGACCTGGAGTGTGACGATGCTGCCACTTACTACTGTGCA
GGCGATTATGGTGGTAGTGTCCTTTTCGGCGGAGGGACCGCGGTGGTGGTCAA
GGTGATCCAGTTGCACCTACTGTCCTCATCTTCCCACAGCTGCTGATCAGGTGGCAACTGGAACAGT
CACCATCGTGTGTGTGGCGAATAAATACTTTCCCGATGTCACCGTCACCTGGGAGGTGGATGGCACCA

CCCAAACAACCTGGCATCGAGAACAGTAAACACCCGCAGAATTCTGCAGATTGTACCTACAACCTCAGCA
GCACTCTGACACTGACCAGCACACAGTACAACAGCCACAAAGAGTACACCTGCAAGGTGACCCAGGG
CACGACCTCAGTCGTCCAGAGCTTCAATAGGGGTGACTGTAG

Protein sequence:

>SAIC-32C-205-L1

MDTRAPTQLLGLLLLWLPGATFAQVLTQTASPVSAAVGGTVTINCQSSQSVYNKNYLSWFQKRPGQPPKR
LIWSASTLASGVSSRFKGS GSGTQFTLTISDLECDDAATYYCAGDYGGSVLFGGGTAVVVKGDPVAPT
VLI
FPPAADQVATGTVTIVCVANKYFPDVTVTWEVDGTTQTTGIENSKTPQNSADCTYNLSSTLTLTSTQYN
SH
KEYTCKVTQGTTSVVQSFNRGDC-

SAIC-33B-129-H1, TAGLN, AAEDYGVIK

>SAIC-33B-129-H1

ATG GAGACTGGGCTGCGCTGGCTTCTCCTGGTCGCTGTGCTCAAAGGTGTCCAGTGT CAGGAGCAGC
TGAAGGAATCCGGGGGAGGCCTGATCAAGCCTGGAGGAACCCTGACACTCACCTGCACAGCCTCCGG
ATTCACCATCAGTAGTATTGCAATAACCTGGGTCCGCCAGGCTCCAGGGAACGGGCTGGAATACATCG
GATTCATTAGTAGTGGTGGTAGTATATTCTACGCGAGCTGGGCGGAAAGCCGATCCACCATCACCAGAA
ACACCAACCTGAACACGGTGACTCTGACAATGACCAGTCTGACAGCCGCGGACACGGCCACCTATTTCT
TGACGAGAGGTGTTCTGCTTATAAGTATGAGACCAGTGGGAACATATGGGGCCCAGGCACCCTGGT
CACCGTCTCCTCA

GGGCAACCTAAGGCTCCATCAGTCTTCCCACTGGCCCCCTGCTGCGGGGACACACCCAGCTCCACGG
TGACCCTGGGCTGCCTGGTCAAAGGGTACCTCCCGGAGCCAGTGACCGTGACCTGGAACCTCGGGCA
CCCTACCAATGGGGTACGCACCTTCCCGTCCGTCCGGCAGTCCCTCAGGCTCTACTCGCTGAGCAG
CGTGGTGAGCGTGACCTCAAGCAGCCAGCCCGTCACCTGCAACGTGGCCCACCCAGCCACCAACAC
CAAAGTGGACAAGACCGTTGCGCCCTCGACATGCAGCAAGCCCACGTGCCACCCCTGAACTCCTG
GGGGACCGTCTGTCTTTCATCTTCCCCCAAACCCAAAGGACACCCTCATGATCTCACGCACCCCGA
GGTCACATGCGTGGTGGTGGACGTGAGCCAGGATGACCCCGAGGTGCAGTTCACATGGTACATAAACA
ACGAGCAGGTGCGCACCCGCCCGCCGCTACGGGAGCAGCAGTTCAACAGCAGCAGTCCGCGTGG
TCAGCACCCCTCCCATCGCGCACCCAGGACTGGCTGAGGGGCAAGGAGTTCAAGTGCAAAGTCCACAA
CAAGGCACTCCCGGCCCCCATCGAGAAAACCATCTCAAAGCCAGAGGGCAGCCCTGGAGCCGAA
GGTCTACACCATGGGCCCTCCCGGGAGGAGCTGAGCAGCAGGTCCGGTCAGCCTGACCTGCATGATC
AACGGCTTCTACCCTTCCGACATCTCGGTGGAGTGGGAGAAGAACGGGAAGGCAGAGGACAACACTACA
AGACCACGCCGGCCGTGCTGGACAGCGACGGCTCTACTTCTCTACAGCAAGCTCTCAGTGCCAC
GAGTGAGTGGCAGCGGGGCGACGTCTTACCTGCTCCGTGATGCACGAGGCCTTGACAACCACTAC
ACGCAGAAGTCCATCTCCCGCTCTCCGGGTAAATGA

Protein sequence:

>SAIC-33B-129-H1

METGLRWLLLVAVLKGVQCQEQLKESGGGLIKPGGTLTLTCTASGFTISSIAITWVRQAPNGLEYIGFISSG
GSIFYASWAESRSTITRNTNLNTVLTMTSLTAADTATYFCTRGVPAKYETSGNIWGPGLTVVSSGQPKA
PSVFPLAPCCGDTSPSTVTLGCLVKGYLPEPVTVTWNSGTLTNGVRTFPSVRQSSGLYSLSSVSVTSSSQ
PVTCNVAHPATNTKVDKTVAPSTCSKPTCPPPELLGGPSVFIFFPKPKDTLMISRTPEVTCVVVDVSQDDPE
VQFTWYINNEQVRTARPLREQQFNSTIRVVSTLPIAHQDWLRGKEFKCKVHNKALPAPIEKTISKARGQPL
EPKVYTMGPPREELSSRSVSLTCMINGFYPSDISVEWEKNGKAEDNYKTTPAVLDSGYSFLYKLSVPTS
EWQRGDVFTCSVMHEALHNHYTQKSISRSPGK-

SAIC-33B-129-L3, TAGLN, AAEDYGVIK

>SAIC-33B-129-L3

ATG GACACGAGGGCCCCCACTCAGCTGCTGGGGCTCCTGCTGCTCTGGCTCCAGGTGCCACATTTG
CCCAAGTGCTGACCCAGACTCCAGCCTCCGTGTCTGCGGCTGTTGGAGGCACAGTCACCATCAATTG
CCAGTCCAGTCAGAGTGTTTATAATGACAACTTCTTATCCTGGTATCAGCAGAAATTAGGGCAGCCTCCC
AAGCTCCTGATCTATCTGGCATCCACTCTGGCATCTGGGGTCCCATCGCGTTCAAAGGCAGTGGATC
TGGGACACGGTTCACCCCTACCATCAGCGACCTGGAGTGTGACGATGCTGCCACTTACTACTGTGCCG
GCGGTTGGCGTGGGAGTATTTATGGTTTCGGCGGAGGGACCGAGGTGGTGGTCAAA
GGTGATCCAGTTGCACCTACTGTCCTCATCTTCCACCAGCTGCTGATCAGGTGGCAACTGGAACAGT

CACCATCGTGTGTGTGGCGAATAAATACTTTCCCGATGTCACCGTCACCTGGGAGGTGGATGGCACCA
CCCAAACAACCTGGCATCGAGAACAGTAAACACCGCAGAATTCTGCAGATTGTACCTACAACCTCAGCA
GCACTCTGACACTGACCAGCACACAGTACAACAGCCACAAAGAGTACACCTGCAAGGTGACCCAGGG
CACGACCTCAGTCGTCCAGAGCTTCAATAGGGGTGACTGT**TAG**

Protein sequence:

>SAIC-33B-129-L3

MDTRAPTQLLGLLLLWLPGATFAQVLTQTPASVSAAVGGTVTINCQSSQSVYNDNFLSWYQQKLGQPPKL
LIYLASTLASGVPSRFKGS GSGTRFTLTISDLECDDAATYYCAGGWGRGSIYGFGGGTEVVVKGDPVAPTCLI
FPPAADQVATGTVTIVCVANKYFPDVTVTWEVDGTTQTTGIENSKTPQNSADCTYNLSSTLTLTSTQYN
SH
KEYTCKVTQGTTSVVQSFNRGDC-

CACCATCGTGTGTGTGGCGAATAAATACTTTCCCGATGTCACCGTCACCTGGGAGGTGGATGGCACCA
CCCAAACAACCTGGCATCGAGAACAGTAAAACACCGCAGAATTCTGCAGATTGTACCTACAACCTCAGCA
GCACTCTGACACTGACCAGCACACAGTACAACAGCCACAAAGAGTACACCTGCAAGGTGACCCAGGG
CACGACCTCAGTCGTCCAGAGCTTCAATAGGGGTGACTGT**TAG**

Protein sequence:

>SAIC-34B-124-L1

MDTRAPTQLLGLLLLWLPGATFAQVLTQTASSVSAAVGGTVTISCQSSQSVYGNFLSWYQQKPGQPPKL
LIYMASTLASGVPSRFKGS GSGTQFTLTISDLECDDAATYFCAGGYSGSIYGFGGGTEVVVTGDPVAPTCLI
FPPAADQVATGTVTIVCVANKYFPDVTVTWEVDGTTQTTGIENSKTPQNSADCTYNLSSTLTLTSTQYN
SH
KEYTCKVTQGTTSVVQSFNRGDC-

CACCATCGTGTGTGTGGCGAATAAATACTTTCCCGATGTCACCGTCACCTGGGAGGTGGATGGCACCA
CCCAAACAACCTGGCATCGAGAACAGTAAACACCGCAGAATTCTGCAGATTGTACCTACAACCTCAGCA
GCACTCTGACACTGACCAGCACACAGTACAACAGCCACAAAGAGTACACCTGCAAGGTGACCCAGGG
CACGACCTCAGTCGTCCAGAGCTTCAATAGGGGTGACTGTAG

Protein sequence:

>SAIC-34D-11-L1

MDTRAPTQLLGLLLLWLPGARCA YDMTQTPASVEVAVGGTVTIKCQASQSISSYLNWYQQKPGQPPKLLIY
KASTLASGVSSRFKGS GSGTEFTLTISDLECADAAATYYCQGGYDWRNV DNTFGGGTEVVVKGDPVAPT
VLIFFPAADQVATGTVTIVCVANKYFPDVTVTWEVDGTTQTTGIENSKTPQNSADCTYNLSSTLTLTSTQYN
SHKEYTCKVTQGTTSVVQSFNRGDC-

SAIC-36A-9-H3, UBE2I, DHPFGFVAVPTK

>SAIC-36A-9-H3

ATG GAGACTGGGCTGCGCTGGCTTCTCCTGGTCGCTGTGCTCAAAGGTGTCCAGTGTCAAGTCCGGTGG
AGGAGTCCGGGGGTGCGCTGGTCACGCCTGGGACAGCCCTGACACTCACCTGCACAGTCTCTGGATT
CTCCCTTAGTAGTTATGGAATGAGCTGGGTCCGCCAGGCTCCAGGGAAGGGGGCTGGAATGGGTCCGA
TACATTCATCCTGATGGTAAGATATTCTATATATACTGGGCGAAAGGCCGATTACCATCTCCAAAACCTC
GACCACGGTGGATCTGAAAATGACCAGTCTGACAAGCGAGGACACGGCCACGTATTTTTGTGCCAGAG
GTGGTGGTGATACTAACATCTGGGGCCCAGGCACGCTGGTCACCGTCTCCTTA
GGGCAACCTAAGGCTCCATCAGTCTTCCCCTGGCCCCCTGCTGCGGGGACACACCCAGCTCCACGG
TGACCCTGGGCTGCCTGGTCAAAGGGTACCTCCCGGAGCCAGTGACCGTGACCTGGAACCTCGGGCA
CCCTCACCAATGGGGTACGCACCTTCCCGTCCGTCCGGCAGTCCTCAGGCCTCTACTCGCTGAGCAG
CGTGGTGAGCGTGACCTCAAGCAGCCAGCCCGTCACCTGCAACGTGGCCACCCAGCCACCAACAC
CAAAGTGGACAAGACCGTTGCGCCCTCGACATGCAGCAAGCCCACGTGCCACCCCTGAACTCCTG
GGGGACCGTCTGTCTTCATCTTCCCCCAAACCAAGGACACCCTCATGATCTCACGCACCCCGA
GGTCACATGCGTGGTGGTGGACGTGAGCCAGGATGACCCCGAGGTGCAGTTCACATGGTACATAACA
ACGAGCAGGTGCGCACCCGCCCGCCGCTACGGGAGCAGCAGTTCAACAGCAGATCCGCGTGG
TCAGCACCCCTCCCATCGCGCACCCAGGACTGGCTGAGGGGCAAGGAGTTCAAGTGCAAAGTCCACAA
CAAGGCACTCCCGGCCCCCATCGAGAAAACCATCTCCAAAGCCAGAGGGCAGCCCTGGAGCCGAA
GGTCTACACCATGGGCCCTCCCGGGAGGAGCTGAGCAGCAGGTCCGGTCAGCCTGACCTGCATGATC
AACGGCTTCTACCCTTCCGACATCTCGGTGGAGTGGGAGAAGAACGGGAAGGCAGAGGACAACACTACA
AGACCACGCCGGCCGTGCTGGACAGCGACGGCTCCTACTTCTCTACAGCAAGCTCTCAGTGCCAC
GAGTGAGTGGCAGCGGGGCGACGTCTTCACCTGCTCCGTGATGCACGAGGCCTTGACAACCACTAC
ACGCAGAAGTCCATCTCCCGCTCTCCGGGTAAATGA

Protein sequence:

>SAIC-36A-9-H3

METGLRWLLLVAVLKGVQCQSVEESGGRLVTPGTALTLTCTVSGFSLSSYGMWVVRQAPGKGLEWVGYI
HPDGKIFYIYWAKGRFTISKSTTTVDLKMSTLSEDTATYFCARGGGDTNIWGPGLTVTVSLGQPKAPSVFP
LAPCCGDTSPSTVTLGCLVKGYLPEPVTVTWNSGTLTNGVRTFSPVRQSSGLYSLSSVSVTSSSQPVTC
NVAHPATNTKVDKTVAPSTCSKPTCPPPELLGGPSVFIFPPKPKDTLMISRTPEVTCVVDVSDQDDPEVQFT
WYINNEQVRTARPLREQQFNSTIRVVSTLPIAHQDWLRGKEFKCKVHNKALPAPIEKTISKARGQPLEPKV
YTMGPPREELSSRSVSLTCMINGFYPSDISVEWEKNGKAEDNYKTPAVLDSGYSFLYSKLSVPTSEWQ
RGDVFTCSVMHEALHNHYTQKSISRSPGK-

SAIC-36A-9-L2, UBE2I, DHPFGFVAVPTK

>SAIC-36A-9-L2

ATG GACACGAGGGCCCCACTCAGCTGCTGGGGCTCCTGCTGCTCTGGCTCCAGGTGCCACATTTG
CCCAGGTTGTGATGACCCAGACTCCATCCTCCGTGTCTGCAGCTGTGGGAGGCACAGTCACCATCAAT
TGCCAGTCCAGTCAGAGTGTTTATAATAACAACCGCTTATCCTGGTTTCAGCAGAAACCAGGGCAGCCT
CCCAAGCTCCTGATGGACGATACATCGAGACTGGCATCTAGGGTCTCATCGCGGTTTCAGCGGCAGTGG
ATCTGGGACACAGTTCACCTCTACCATCAGTGACGTGCAGTGTGACGATGCTGCCACTTACTACTGTCT
AGGCAATTATGTTTGTGGTATTGCTGATTGTGCTGCTTTCGGCGGAGGGACCGAGGTGGTGGTCAAA
GGTATCCAGTTGCACCTACTGTCCTCATCTTCCCACCAGCTGCTGATCAGGTGGCAACTGGAACAGT
CACCATCGTGTGTGGCGAATAAATACTTCCCGATGTCACCGTCACCTGGGAGGTGGATGGCACCA

CCCAAACAACCTGGCATCGAGAACAGTAAACACCCGCAGAATTCTGCAGATTGTACCTACAACCTCAGCA
GCACTCTGACACTGACCAGCACACAGTACAACAGCCACAAAGAGTACACCTGCAAGGTGACCCAGGG
CACGACCTCAGTCGTCCAGAGCTTCAATAGGGGTGACTGTAG

Protein sequence:

>SAIC-36A-9-L2

MDTRAPTQLLGLLLLWLPGATFAQVVMQTTPSSVSAAVGGTVTINCQSSQSVYNNRLSWFQQKPGQPP
KLLMDDTSRLASRVSSRFSGSGSGTQFTLTISDVQCDDAATYYCLGNYVCGIADCAAFGGGTEVVVKGDP
VAPTVLIFPPAADQVATGTVTIVCVANKYFPDVTVTWEVDGTTQTTGIENSKTPQNSADCTYNLSSTLTLTST
QYNSHKEYTCKVTQGTTSVVQSFNRGDC-

SAIC-37C-23-H1, EZR, SGYLSSER

>SAIC-37C-23-H1

ATG GAGACTGGGCTGCGCTGGCTTCTCCTGGTCGCTGTGCTCAAAGGTGTCCAGTGTGAGTCGCTGG
AGGAGTCCGGGGGTGCGCTGGTCACGCCTGGGACACCCCTGACACTCACCTGCACAGTGTCTGGATT
CTCCCTCAGTAGTTATGGAATGAACTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGATCGGA
ATCATTACCAGTCATGGTATTAAGACTACGCGAGCTGGGCGAAAGGCCGATTACCATCTCCAAGACC
TCGACCACGGTTGATTTGACTATCAGCAGTCCGACAACCGAGGACACGGCCACCTATTTCTGTGCCAG
AGGTTTGACTAATGGTAATAACATCTGGGGCCCCGGGCACCCTGGTCACCGTCTCCTTA
GGGCAACCTAAGGCTCCATCAGTCTTCCCACTGGCCCCCTGCTGCGGGGACACACCCAGCTCCACGG
TGACCCTGGGCTGCCTGGTCAAAGGGTACCTCCCGGAGCCAGTGACCGTGACCTGGAACCTCGGGCA
CCCTCACCAATGGGGTACGCACCTTCCCGTCCGTCCGGCAGTCCTCAGGCCTCTACTCGCTGAGCAG
CGTGGTGAGCGTGACCTCAAGCAGCCAGCCCGTCACCTGCAACGTGGCCACCCAGCCACCAACAC
CAAAGTGGACAAGACCGTTGCGCCCTCGACATGCAGCAAGCCCACGTGCCACCCCTGAACTCCTG
GGGGGACCGTCTGTCTTCATCTTCCCCCAAACCAAGGACACCCTCATGATCTCACGCACCCCGA
GGTCACATGCGTGGTGGTGGACGTGAGCCAGGATGACCCCGAGGTGCAGTTCACATGGTACATAACA
ACGAGCAGGTGCGCACCCGCCCGCCGCTACGGGAGCAGCAGTTCAACAGCAGATCCGCGTGG
TCAGCACCCCTCCCATCGCGCACCCAGGACTGGCTGAGGGGCAAGGAGTTCAAGTGCAAAGTCCACAA
CAAGGCACTCCCGGCCCCCATCGAGAAAACCATCTCCAAAGCCAGAGGGCAGCCCTGGAGCCGAA
GGTCTACACCATGGGCCCTCCCGGGAGGAGCTGAGCAGCAGGTCCGGTCAGCCTGACCTGCATGATC
AACGGCTTCTACCCTTCCGACATCTCGGTGGAGTGGGAGAAGAACGGGAAGGCAGAGGACAACACTACA
AGACCACGCCGGCCGTGCTGGACAGCGACGGCTCCTACTTCTCTACAGCAAGCTCTCAGTGCCAC
GAGTGAGTGGCAGCGGGGCGACGTCTTCACCTGCTCCGTGATGCACGAGGCCTTGACAACCACTAC
ACGCAGAAGTCCATCTCCCGCTCTCCGGGTAAATGA

Protein sequence:

>SAIC-37C-23-H1

METGLRWLLLVAVLKGVQCQSLEESGGRLVTPGTPLTLTCTVSGFSLSSYGMNWVRQAPGKGLEWIGIITS
HGKDYASWAKGRFTISKSTTVDLTISSPTTEDTATYFCARGLTNGNNIWGPGLVTVSLGQPKAPSVFPL
APCCGDTPSSTVTLGCLVKGYLPEPVTVTWNSGLTNGVVRTFPSVRQSSGLYLSLSSVSVTSSSQPVTCN
VAHPATNTKVDKTVAPSTCSKPTCPPPELLGGPSVFIFPPKPKDTLMISRTPEVTCVVVDVSDQDDPEVQFT
WYINNEQVRTARPLREQQFNSTIRVVSTLPIAHQDWLRGKEFKCKVHNKALPAPIEKTISKARGQPLEPKV
YTMGPPREELSSRSVSLTCMINGFYPSDISVEWEKNGKAEDNYKTPAVLDSGYSFLYSKLSVPTSEWQ
RGDVFTCSVMHEALHNHYTQKSISRSPGK-

SAIC-37C-23-L3, EZR, SGYLSSER

>SAIC-37C-23-L3

ATG GACACGAGGGCCCCACTCAGCTGCTGGGGCTCCTGCTGCTCTGGCTCCAGGTGCCATATGTG
ACCCTGTGATGACCCAGACTCCATCCTCCGTGTCTGCGGCTGTGGGAGGCACAGTCACCATCAACTGC
CAGTCCAGTCACAATGTCTATAATAGGAACTGCTTATCCTGGTTTCAACAGAAACCAGGGCAGCCTCCC
AAGCTCCTAATCTATAAGTCGGCCACTCTGGAATCTGGGGTCCCATCGCGGTTCAAAGGCAGTGGATCT
GGGACACAGTTCCTACTCTCACCATCAGCGACCTGGAATGTGATGATGCTGCCACTTACTATTGTGCAGGC
GATTATGATGATAAAGGTTTTGTTTTCGGCGGAGGGACCGAGGTGGTGGTCGAA
GGTGATCCAGTTGCACCTACTGTCCTCATCTTCCCACCAGCTGCTGATCAGGTGGCAACTGGAACAGT
CACCATCGTGTGTGTGGCGAATAAATACTTTCCCGATGTCACCGTCACCTGGGAGGTGGATGGCACCA

CCCAAACAACCTGGCATCGAGAACAGTAAACACCGCAGAATTCTGCAGATTGTACCTACAACCTCAGCA
GCACTCTGACACTGACCAGCACACAGTACAACAGCCACAAAGAGTACACCTGCAAGGTGACCCAGGG
CACGACCTCAGTCGTCCAGAGCTTCAATAGGGGTGACTGTAG

Protein sequence:

>SAIC-37C-23-L3

MDTRAPTQLLGLLLLWLPGAICDPVMTQTPSSVSAVGGTVTINCQSSHNVYNRNCLSWFQQKPGQPPKL
LIYKSATLESGVPSRFKGS GSGTQFTLTISDLECDDAATYYCAGDYDDKGFVFGGGTEVVVEGDPVAPT
VLI
FPPAADQVATGTVTIVCVANKYFPDVTVTWEVDGTTQTTGIENSKTPQNSADCTYNLSSTLTLTSTQYN
SH
KEYTCKVTQGTTSVVQSFNRGDC-

SAIC-40A-24-H1, PRDX4, QITLNDLPVGR

>SAIC-40A-24-H1

ATG GAGACTGGGCTGCGCTGGCTTCTCCTGGTCGCTGTGCTCAAAGGTGTCCACTGTCAGTCGTTGG
AGGAGTCCGGGGGAGGCCTGGTCCAGCCTGAGGGATCCCTGACACTCACCTGCACAGCCTCTGGATT
CACCTCAGTA ACTACTGGCTGTGCTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGATCGGA
TGCATTTATAGTGGTGGTGTAGTAACACTGCCTACGCGAGCTGGGCGAAAGGCCGATTACCATCTCC
AAGACCTCGTCGACCACGGTGACTCTGCAAATGCCAGGCTGACAGCCGCGGACACGGCCACCTATT
TCTGTGCGGGAGGAGTTATTGCTGGATTCCAATTGGGCTTGTGGGGCCCAGGCACCCTGGTCACCGT
CTCCTCA

GGGCAACCTAAGGCTCCATCAGTCTTCCCACTGGCCCCCTGCTGCGGGGACACACCCAGCTCCACGG
TGACCCTGGGCTGCCTGGTCAAAGGGTACCTCCCGGAGCCAGTGACCGTGACCTGGA ACTCGGGCA
CCCTACCAATGGGGTACGCACCTTCCCGTCCGTCCGGCAGTCCTCAGGCCTCTACTCGCTGAGCAG
CGTGGT GAGCGTGACCTCAAGCAGCCAGCCCGTCACCTGCAACGTGGCCCACCCAGCCACCAACAC
CAAAGTGGACAAGACCGTTGCGCCCTCGACATGCAGCAAGCCCACGTGCCACCCCTGAACTCCTG
GGGGACCGTCTGTCTTTCATCTTCCCCCAAACCCAAAGGACACCCTCATGATCTCACGCACCCCGA
GGTCACATGCGTGGTGGTGGACGTGAGCCAGGATGACCCCGAGGTGCAGTTCACATGGTACATAAACA
ACGAGCAGGTGCGCACCCGCCCGCCGCTACGGGAGCAGCAGTTCAACAGCAGCAGTCCGCGTGG
TCAGCACCTCCCATCGCGCACCCAGGACTGGCTGAGGGGCAAGGAGTTCAAGTGCAAAGTCCACAA
CAAGGCACTCCCGGCCCCCATCGAGAAAACCATCTCAAAGCCAGAGGGCAGCCCTGGAGCCGAA
GGTCTACACCATGGGCCCTCCCGGGAGGAGCTGAGCAGCAGGTCCGGTCAGCCTGACCTGCATGATC
AACGGCTTCTACCCTTCCGACATCTCGGTGGAGTGGGAGAAGAACGGGAAGGCAGAGGACA ACTACA
AGACCACGCCGGCCGTGCTGGACAGCGACGGCTCTACTTCTCTACAGCAAGCTCTCAGTGCCAC
GAGTGAGTGGCAGCGGGGCGACGTCTTACCTGCTCCGTGATGCACGAGGCCTTGACAACCACTAC
ACGCAGAAGTCCATCTCCCGCTCTCCGGGTAAATGA

Protein sequence:

>SAIC-40A-24-H1

METGLRWLLLVAVLKGVHCQSLEESGGGLVQPEGSLTLTCTASGFTLSNYWLCWVRQAPGKGLEWIGCIY
SGGASNTAYASWAKGRFTISKTSSTTVTLQMPRLTAADTATYFCAGGVIAGFQLGLWGPGLVTVSSGQP
KAPSVFPLAPCCGDPSSVTLGCLVKGYLPEPVTVTWNSGTLTNGVRTFPSVRQSSGLYSLSSVSVTSS
SQPVTCNVAHPATNTKVDKTVAPSTCSKPTCPPPELLGGPSVFIFPPKPKDTLMISRTPEVTCVVVDVSD
DPEVQFTWYINNEQVRTARPLREQQFNSTIRVVSTLPIAHQDWLRGKEFKCKVHNKALPAPIEKTISKARG
QPLEPKVYTMGPPREELSSRSVSLTCMINGFYPSDISVEWEKNGKAEDNYKTTPAVLDSGYSFLYKLSV
PTSEWQRGDVFTCSVMHEALHNHYTQKSISRSPGK-

SAIC-40A-24-L3, PRDX4, QITLNDLPVGR

>SAIC-40A-24-L3

ATG GACACGAGGGCCCCCACTCAGCTGCTGGGGCTCCTGCTGCTCTGGCTCCAGGTGCCACATTTG
CCCAAGTGCTGACCCAGACTCCATCCCCTGTGTCTGCAGCTGTGGGAGGCACAGTCACCATCAATTGC
CAGTCCAGTCAGAGTGTTTATAGGGACAACCGCTTATCCTGGTTTTAGCAGAAATCAGGACAGCCTCCC
AAGCTCCTCATCTATGATGCATCCAACTGGCATCTGGGGTCCCACCGCGGTTTCAGCGGCAGTGGATC
TGGGACACAGTTCACTCTACCATCAGCGGCGTGACGTGTGACGATGCTGCCACTTACTACTGTCAAG
GCGAATTTAGGTGTACCAGTGTGATTGTACTACTTTCGGCGGAGGGACCGAGGTGGTGGTCAA
GGTGATCCAGTTGCACCTACTGTCCTCATCTTCCACCAGCTGCTGATCAGGTGGCAACTGGAACAGT

CACCATCGTGTGTGTGGCGAATAAATACTTTCCCGATGTCACCGTCACCTGGGAGGTGGATGGCACCA
CCCAAACAACCTGGCATCGAGAACAGTAAACACCGCAGAATTCTGCAGATTGTACCTACAACCTCAGCA
GCACTCTGACACTGACCAGCACACAGTACAACAGCCACAAAGAGTACACCTGCAAGGTGACCCAGGG
CACGACCTCAGTCGTCCAGAGCTTCAATAGGGGTGACTGTAG

Protein sequence:

>SAIC-40A-24-L3

MDTRAPTQLLGLLLLWLPGATFAQVLTQTPSPVSAAVGGTVTINCQSSQSVYRDNRLSWFQQKSGQPPKL
LIYDASKLASGVPPRFSGSGSGTQFTLTISGVQCDDAATYYCQGEFRCTSDCTTFGGGTEVVVKGDPVA
PTVLIFPPAADQVATGTVTIVCVANKYFPDVTVTWEVDGTTQTTGIENSKTPQNSADCTYNLSSTLTLTSTQ
YNSHKEYTCKVTQGTTSVVQSFNRGDC-

SAIC-40C-8-H1, PRDX4, LVQAFQYTDK

>SAIC-40C-8-H1

ATG GAGACTGGGCTGCGCTGGCTTCTCCTGGTCGCTGTGCTCAAAGGTGTCCAGTGTGTCAGTCGCTGG
AGGAGTCCGGGGGAGGCCTGGTCAAGCCTGGAGGAACCCTGACACTCACCTGCACAGCCTCTGGATT
CTCCCTCAGTACTTATGGAATAACCTGGGTCCGCCAGGCTCCAGGGAAGGGGGCTGGAATGGATTGGAT
TGATTGGTCGTGATGCTAGCACCTCCTACGCGAACTGGGCGAAAGGCCGATTGAGAATCTCCAAAACC
TCCACCACGGTGGAGCTGAGAGTCACCAGTCCGACAATCGAGGACACGGCCACGTATTTCTGTGCCA
GATTGGGGTCTGGTAATAGTTATTATATCTGGGGCCCAGGCACCGTGGTCACCGTCTCTTCA
GGGCAACCTAAGGCTCCATCAGTCTTCCCCTGGCCCCCTGCTGCGGGGACACACCCAGCTCCACGG
TGACCCTGGGCTGCCTGGTCAAAGGGTACCTCCCGGAGCCAGTGACCGTGACCTGGAACCTCGGGCA
CCCTCACCAATGGGGTACGCACCTTCCCGTCCGTCCGGCAGTCCTCAGGCCTCTACTCGCTGAGCAG
CGTGGTGAGCGTGACCTCAAGCAGCCAGCCCGTCACCTGCAACGTGGCCACCCAGCCACCAACAC
CAAAGTGGACAAGACCGTTGCGCCCTCGACATGCAGCAAGCCCACGTGCCACCCCCCTGAACTCCTG
GGGGGACCGTCTGTCTTCATCTTCCCCC AAAACCCAAGGACACCCTCATGATCTCACGCACCCCCGA
GGTCACATGCGTGGTGGTGGACGTGAGCCAGGATGACCCCGAGGTGCAGTTCACATGGTACATAAACA
ACGAGCAGGTGCGCACCCGCCCGCCGCTACGGGAGCAGCAGTTCAACAGCACGATCCGCGTGG
TCAGCACCCCTCCCATCGCGCACCCAGGACTGGCTGAGGGGCAAGGAGTTCAAGTGCAAAGTCCACAA
CAAGGCACTCCCGGCCCCCATCGAGAAAACCATCTCCAAAGCCAGAGGGCAGCCCTGGAGCCGAA
GGTCTACACCATGGGCCCTCCCGGGAGGAGCTGAGCAGCAGGTGCGGTCAGCCTGACCTGCATGATC
AACGGCTTCTACCCTTCCGACATCTCGGTGGAGTGGGAGAAGAACGGGAAGGCAGAGGACA ACTACA
AGACCACGCCGGCCGTGCTGGACAGCGACGGCTCCTACTTCTCTACAGCAAGCTCTCAGTGCCAC
GAGTGAGTGGCAGCGGGGCGACGTCTTACCTGCTCCGTGATGCACGAGGCCTTGACAACCACTAC
ACGCAGAAGTCCATCTCCCGCTCTCCGGGTAAATGA

Protein sequence:

>SAIC-40C-8-H1

METGLRWLLLVAVLKGVQCQSLEESGGGLVKPGGTLTLTCTASGFSLSYGITWVRQAPGKGLEWIGLIGR
DASTSYANWAKGRFRISKSTTVELRVTSPTIEDTATYFCARLGSNSYYIWGPVTVTVSSGQPKAPSVF
PLAPCCGDTPSSTVTLGCLVKGYLPEPVTVTWNSGTLNNGVRTFPSVRQSSGLYLSVVSVTSSSQPVT
CNVAHPATNTKVDKTVAPSTCSKPTCPPPELLGGPSVFIFPPKPKDTLMISRTPEVTCVVVDVSDDDPEVQ
FTWYINNEQVRTARPLREQQFNSTIRVVSTLPIAHQDWLRGKEFKCKVHNKALPAPIEKTISKARGQPLEP
KVYTMGPPREELSSRSVSLTCMINGFYPSDISVEWEKNGKAEDNYKTTPAVLDSGDSYFLYSKLSVPTSEW
QRGDVFTCSVMHEALHNHYTQKSISRSPGK-

SAIC-40C-8-L2, PRDX4, LVQAFQYTDK

>SAIC-40C-8-L2

ATG GACACGAGGGCCCCACTCAGCTGCTGGGGCTCCTGCTGCTCTGGCTCCAGGTGCCACATTG
CTCAAGTGCTGACCCAGACTGCATCGCCGTGTCTGCAGCTGTGGGAGGCACAGTACCATCAATTGT
CAGTCCAGTCAGAGGGTTTATAATAACAACCAATTATCCTGGTATCAGCAGAAACCAGGGCAGCCTCCC
AAGCGCCTGATCTATTCTGCATCCACTCTGTATCTGGGGTCCCATCGCGGTTCAAGGGCAGTGGATCT
GGGACACAGTTCCTACTCTCACCATCAGCGACCTGGAGTGTGACGATGCTGCCACTTACTATTGTGCAGG
CGGTTATGGTGGTGGACCTTTATCCTTTCGGCGGAGGGACCGAGGTGGTGGTCAGA
GGTATCCAGTTGCACCTACTGTCCTCATCTTCCCACCAGCTGCTGATCAGGTGGCAACTGGAACAGT
CACCATCGTGTGTGGCGAATAAATACTTTCCCGATGTCACCGTACCTGGGAGGTGGATGGCACCA

CCCAAACAACCTGGCATCGAGAACAGTAAACACCGCAGAATTCTGCAGATTGTACCTACAACCTCAGCA
GCACTCTGACACTGACCAGCACACAGTACAACAGCCACAAAGAGTACACCTGCAAGGTGACCCAGGG
CACGACCTCAGTCGTCCAGAGCTTCAATAGGGGTGACTGTAG

Protein sequence:

>SAIC-40C-8-L2

MDTRAPTQLLGLLLLWLPGATFAQVLTQTASPVSAAVGGTVTINCQSSQRVYNNNQLSWYQQKPGQPPK
RLIYSASTLSSGVPSRFKGS SGTQFTLTISDLECDDAATYYCAGGYGGDLYPFGGGTEVVVRGDPVAPT
LIFPPAADQVATGTVTIVCVANKYFPDVTVTWEVDGTTQTTGIENSKTPQNSADCTYNLSSTLTLTSTQYNS
HKEYTCKVTQGTTSVVQSFNRGDC-

SAIC-41A-1-H2, UBE2C, GISAFPESDNLFK

>SAIC-41A-1-H2

ATG GAGACTGGGCTGCGCTGGCTTCTCCTGGTCGCTGTGCTCAAAGGTGTCCAGTGTCAAGTGGCTGG
AGGAGTCCGGGGGTCGCTGGTAACGCCTGGAGGATCCCTGACACTCACCTGCACAGTCTCTGGATT
CTCCCTCAGTAGAAATATTATGATCTGGGTCCGCCAGGCTCCAGGGGAGGGGCTGGAATGGGTCCGA
GCCATGGATAATAATGAGAAACCATACTACGCGAGCTGGGCGAGAGGCCGATTACCATCTCCAAAGCC
TCGTGACCACGGTGGATCTGAAGATGACCAGTCTGACAGCCGCGGACACGGCCACCTATTTCTGCG
CAGGAGGCAGAGGTATCTTGTGGGGCCCAGGCACCCTGGTCACCGTCTCCTCA
GGGCAACCTAAGGCTCCATCAGTCTTCCCCTGGCCCCCTGCTGCGGGGACACACCCAGCTCCACGG
TGACCCTGGGCTGCCTGGTCAAAGGGTACCTCCCGGAGCCAGTGACCGTGACCTGGAACCTCGGGCA
CCCTCACCAATGGGGTACGCACCTTCCCGTCCGTCCGGCAGTCCTCAGGCCTCTACTCGCTGAGCAG
CGTGGTGAGCGTGACCTCAAGCAGCCAGCCCGTCACCTGCAACGTGGCCACCCAGCCACCAACAC
CAAAGTGGACAAGACCGTTGCGCCCTCGACATGCAGCAAGCCCACGTGCCACCCCCCTGAACTCCTG
GGGGACCGTCTGTCTTCATCTTCCCCCAAACCCAAAGGACACCCTCATGATCTCACGCACCCCCGA
GGTCACATGCGTGGTGGTGGACGTGAGCCAGGATGACCCCGAGGTGCAGTTCACATGGTACATAACA
ACGAGCAGGTGCGCACCCGCCCGCCGCGCTACGGGAGCAGCAGTTCAACAGCAGATCCGCGTGG
TCAGCACCCCTCCCATCGCGCACCCAGGACTGGCTGAGGGGCAAGGAGTTCAAGTGCAAAGTCCACAA
CAAGGCACTCCCGGCCCCCATCGAGAAAACCATCTCCAAAGCCAGAGGGCAGCCCTGGAGCCGAA
GGTCTACACCATGGGCCCTCCCGGGAGGAGCTGAGCAGCAGGTCCGGTCAGCCTGACCTGCATGATC
AACGGCTTCTACCCTTCCGACATCTCGGTGGAGTGGGAGAAGAACGGGAAGGCAGAGGACAACACTACA
AGACCACGCCGGCCGTGCTGGACAGCGACGGCTCCTACTTCTCTACAGCAAGCTCTCAGTGCCAC
GAGTGAGTGGCAGCGGGGCGACGTCTTACCTGCTCCGTGATGCACGAGGCCCTGCACAACCACTAC
ACGCAGAAGTCCATCTCCCGCTCTCCGGGTAAATGA

Protein sequence:

>SAIC-41A-1-H2

METGLRWLLLVAVLKGVQCQSLEESGGRLVTPGGSLTLTCTVSGFSLSRNIMIWVRQAPGEGLEWVGAMD
NNEKPYASWARGRFTISKASSTTVDLKMTSLTAADTATYFCAGGRGILWGPGLVTVSSGQPKAPSVFPL
APCCGDTSPSTVTLGCLVKGYLPEPVTVTWNSGLTNGVVRTFPSVRQSSGLYLSVSVTSSSQPVTCN
VAHPATNTKVDKTVAPSTCSKPTCPPPELLGGPSVFIFPPKPKDTLMISRTPEVTCVVVDVSQDDPEVQFT
WYINNEQVRTARPLREQQFNSTIRVVSTLPIAHQDWLRGKEFKCKVHNKALPAPIEKTISKARGQPLEPKV
YTMGPPREELSSRSVSLTCMINGFYPSDISVEWEKNGKAEDNYKTPAVLDSGYSFLYSKLSVPTSEWQ
RGDVFTCSVMHEALHNHYTQKSISRSPGK-

SAIC-41A-1-L4, UBE2C, GISAFPESDNLFK

>SAIC-41A-1-L4

ATG GACACGAGGGCCCCACTCAGCTGCTGGGGCTCCTGCTGCTCTGGCTCCAGGTGCCATATGTG
ACCCTGTGCTGACCCAGACTCCATCCTCCGTGTCTGCAACTGTGGGAGGCACAGTACCATCAATTGC
CAGTCCAGTCCGAGTGTATAATAACTACTTATCCTGGTTTCAGCAGAAACCAGGGCAGCCTCCCAAG
CGCCTCATCTATTCTGCATCCACTCTGCCATCTGGAGTCTCATCGCGGTTCAAAGGCAGTGGATCTGGG
ACACAGTTCACTCTACCATCAGCGACGTGCGGTGTGACGATGCTGCCACTTATTACTGTCTAGGCAAT
TATTATTGTGATAGTGTGATTGTTTTACTTTCGGCGGAGGGACCGAGGTGGTGGTTCGAA
GGTATCCAGTTGCACCTACTGTCCTCATCTTCCCACCAGCTGCTGATCAGGTGGCAACTGGAACAGT
CACCATCGTGTGTGGCGAATAAATACTTCCCAGTGTACCGTACCTGGGAGGTGGATGGCACCA

CCCAAACAACCTGGCATCGAGAACAGTAAACACCCGCAGAATTCTGCAGATTGTACCTACAACCTCAGCA
GCACTCTGACACTGACCAGCACACAGTACAACAGCCACAAAGAGTACACCTGCAAGGTGACCCAGGG
CACGACCTCAGTCGTCCAGAGCTTCAATAGGGGTGACTGTAG

Protein sequence:

>SAIC-41A-1-L4

MDTRAPTQLLGLLLLWLPGAICDPVLTQTPSSVSATVGGTVTINCQSSPSVYNNYLSWFQQKPGQPPKRLI
YSASTLPSGVSSRFKGS GSGTQFTLTISDVRCDDAATYYCLGNYYCDSVDCFTFGGGTEVVVEGDPVAPT
VLIFPPAADQVATGTVTIVCVANKYFPDVTVTWEVDGTTQTTGIENSKTPQNSADCTYNLSSTLTLTSTQYN
SHKEYTCKVTQGTTSSVVQSFNRGDC-

SAIC-41C-6-H4, UBE2C, LSLEFPSGYPNAPTvk

>SAIC-41C-6-H4

ATG GAGACTGGGCTGCGCTGGCTTCTCCTGGTCGCTGTGCTCAAAGGTGTCCAGTGTCAAGTGGCTGG
AGGAGTCCGGGGTTCGCTGGTCAAGGCTGGGACACCCCTGACACTCACCTGCACAGTCTCTGGAAT
CGACCTCAGTAGCAATGCAGTGAAGTGGGTCGCGCCAGGCTCCAGGGAAGGGGCTGGAATGGATCGG
GAGTACTGGCCTCAGTAATACTATATGGTACGCGAACTGGGCGAGAGGCCGATTACCATCTCCAAAAC
CTCGTCGACCACGGTGGATCTGAAAATCACCACTCCGACAACCGAGGACACGGCCACGTATTTCTGTG
CCATATTTTGGAGCTTGTGGGGCCAGGCACCCTGGTCACCGTCTCCTCA
GGGCAACCTAAGGCTCCATCAGTCTTCCCACTGGCCCCCTGCTGCGGGGACACACCCAGCTCCACGG
TGACCCTGGGCTGCCTGGTCAAAGGTTACCTCCCGGAGCCAGTGACCGTGACCTGGAAGTCCGGGCA
CCCTCACCAATGGGGTACGCACCTTCCCGTCCGTCCGGCAGTCCTCAGGCCTCTACTCGCTGAGCAG
CGTGGTGAGCGTGACCTCAAGCAGCCAGCCCGTCACCTGCAACGTGGCCACCCAGCCACCAACAC
CAAAGTGGACAAGACCGTTGCGCCCTCGACATGCAGCAAGCCCACGTGCCACCCCTGAACTCCTG
GGGGGACCGTCTGTCTTTCATCTTCCCCCAAACCAAGGACACCCTCATGATCTCACGCACCCCGA
GGTCACATGCGTGGTGGTGGACGTGAGCCAGGATGACCCCGAGGTGCAGTTCACATGGTACATAACA
ACGAGCAGGTGCGCACCCGCCCGCCGCTACGGGAGCAGCAGTTCAACAGCAGATCCGCGTGG
TCAGCACCCCTCCCATCGCGCACCCAGGACTGGCTGAGGGGCAAGGAGTTCAAGTGCAAAGTCCACAA
CAAGGCACTCCCGGCCCCCATCGAGAAAACCATCTCCAAAGCCAGAGGGCAGCCCTGGAGCCGAA
GGTCTACACCATGGGCCCTCCCGGGAGGAGCTGAGCAGCAGGTCCGGTCAGCCTGACCTGCATGATC
AACGGCTTCTACCCTTCCGACATCTCGGTGGAGTGGGAGAAGAACGGGAAGGCAGAGGACAACACTACA
AGACCACGCCGGCCGTGCTGGACAGCGACGGCTCCTACTTCTCTACAGCAAGCTCTCAGTGCCAC
GAGTGAGTGGCAGCGGGGCGACGTCTTACCTGCTCCGTGATGCACGAGGCCTTGACAACCACTAC
ACGCAGAAGTCCATCTCCCGCTCTCCGGGTAAATGA

Protein sequence:

>SAIC-41C-6-H4

METGLRWLLLVAVLKGVQCQSLEESGGRLVTPGTLTLTCTVSGIDLSSNAVNWVRQAPGKGLEWIGSTG
LSNTIYANWARGRFTISKTSSTTVDLKITSPTTEDTATYFCAIFWLSLWPGTLTVSSGQPKAPSVFPLAP
CCGDPSSSTVTLGCLVKGYLPEPVTVTWNSGTLTNGVRTFPSVRQSSGLYSLSSVSVTSSSQPVTCNVA
HPATNTKVDKTVAPSTCSKPTCPPPELLGGPSVFIFPPKPKDTLMISRTPEVTCVVDVSDQDDPEVQFTWYI
NNEQVRTARPLREQQFNSTIRVVSTLPIAHQDWLRGKEFKCKVHNKALPAPIEKTISKARGQPLEPKVYTM
GPPREELSSRSVSLTCMINGFYPSDISVEWEKNGKAEDNYKTTPAVLDSGYSFLYSKLSVPTSEWQRGD
VFTCSVMHEALHNHYTQKSISRSPGK-

SAIC-41C-6-L4, UBE2C, LSLEFPSGYPNAPTvk

>SAIC-41C-6-L4

ATG GACACGAGGGCCCCCACTCAGCTGCTGGGGCTCCTGCTGCTCTGGCTCCAGGTGCCACATTTG
CGCAAGTGCTGACCCAGACTGCATCGCCATGTCTGCAGCTGTGGGAGGCACAGTACCATCAATTGC
CAGGCCAGTCAGAGTGTATAAGAACAACAACCTTAGCCTGGTTTCAGCAGAAACCAGGGCAGCCTCC
CAAGCGGCTGATCTATGATGCATCCACTCTGGCATCTGGGGTCCCATCGCGGTTTCAGCGGCAGTGGAT
CTGGGACACAGTTCCTCACCATCAGCGACCTGGAGTGTGACGATGCTGCCACTTATTATTGTACAG
GCTATTTTAGTGTAATGTTTATGCTTTTGGCGGAGGGACCGAGGTGGTGGTCAAA
GGTGATCCAGTTGCACCTACTGTCCTCATCTTCCCACCAGCTGCTGATCAGGTGGCAACTGGAACAGT
CACCATCGTGTGTGGCGAATAAATACTTTCCCGATGTCACCGTCACCTGGGAGGTGGATGGCACCA
CCCAAACAACCTGGCATCGAGAACAGTAAAACACCGCAGAATTCTGCAGATTGTACCTACAACCTCAGCA

GCACTCTGACACTGACCAGCACACAGTACAACAGCCACAAAGAGTACACCTGCAAGGTGACCCAGGG
CACGACCTCAGTCGTCCAGAGCTTCAATAGGGGTGACTGTAG

Protein sequence:

>SAIC-41C-6-L4

MDTRAPTQLLGLLLLWLPGATFAQVLTQTASPMSSAAVGGTVTINCQASQSVYKNNNLAWFQQKPGQPPKR
LIYDASTLASGVPSRFSGSGSGTQFTLTISDLECDAAATYYCTGYFSGNVYAFGGGTEVVVKGDPVAPTVLI
FPPAADQVATGTVTIVCVANKYFPDVTVTWEVDGTTQTTGIENSKTPQNSADCTYNLSSTLTLTSTQYN
SH
KEYTCKVTQGTTSVVQSFNRGDC-

SAIC-42B-10-H3, SERPINA6, AQLLQGLGFNLTER

>SAIC-42B-10-H3

ATG GAGACTGGGCTGCGCTGGCTTCTCCTGGTCGCTGTGCTCAAAGGTGTCCAGTGTGTCAGTTCGGTGG
AGGAGTCCGGGGGTGCGCTGGTCACGCCTGGGACACCCCTGACACTCACCTGTACAGGCTCTGGATT
CTCCCTCAGTAGGTGGCTAATGAGCTGGGTCCGCCGGGCTCCAGGGAAGGGGCTGGAATATATCGGAT
ACATTGATAGTTTTTATAACACATACTACGCGAGCTGGGCGAAAGGCCGATTACCATCTCCAGAACCT
CGACCACGGTGGATCTGAAAATGACCAGTCTGACAACCTGAAGACACGGCCACCTATTTCTGTGCCAGA
GGAAACACCTTCTTTAGGTTGTGGGGCCCAGGCACCCTGGTCACCGTCTCCTCG
GGGCAACCTAAGGCTCCATCAGTCTTCCCCTGGCCCCCTGCTGCGGGGACACACCCAGCTCCACGG
TGACCCTGGGCTGCCTGGTCAAAGGGTACCTCCCGGAGCCAGTGACCGTGACCTGGAACCTCGGGCA
CCCTCACCAATGGGGTACGCACCTTCCCGTCCGTCCGGCAGTCCTCAGGCCTCTACTCGCTGAGCAG
CGTGGTGAGCGTGACCTCAAGCAGCCAGCCCGTCACCTGCAACGTGGCCACCCAGCCACCAACAC
CAAAGTGGACAAGACCGTTGCGCCCTCGACATGCAGCAAGCCCACGTGCCACCCCTGAACTCCTG
GGGGGACCGTCTGTCTTCATCTTCCCCCAAACCAAGGACACCCTCATGATCTCACGCACCCCGA
GGTCACATGCGTGGTGGTGGACGTGAGCCAGGATGACCCCGAGGTGCAGTTCACATGGTACATAACA
ACGAGCAGGTGCGCACCCGCCCGCCGCTACGGGAGCAGCAGTTCAACAGCAGATCCGCGTGG
TCAGCACCCCTCCCATCGCGCACCCAGGACTGGCTGAGGGGCAAGGAGTTCAAGTGCAAAGTCCACAA
CAAGGCACTCCCGGCCCCCATCGAGAAAACCATCTCAAAGCCAGAGGGCAGCCCTGGAGCCGAA
GGTCTACACCATGGGCCCTCCCGGGAGGAGCTGAGCAGCAGGTCCGGTCAGCCTGACCTGCATGATC
AACGGCTTCTACCCTTCCGACATCTCGGTGGAGTGGGAGAAGAACGGGAAGGCAGAGGACAACACTACA
AGACCACGCCGGCCGTGCTGGACAGCGACGGCTCCTACTTCTCTACAGCAAGCTCTCAGTGCCAC
GAGTGAGTGGCAGCGGGGCGACGTCTTCACCTGCTCCGTGATGCACGAGGCCCTGCACAACCACTAC
ACGCAGAAGTCCATCTCCCGCTCTCCGGGTAAATGA

Protein sequence:

>SAIC-42B-10-H3

METGLRWLLLVAVLKGVQCQSVEESGGRLVTPGTLTLTCTGSGFSLSRWLMSWVRRAPGKGLYIGYID
SFHNTYYASWAKGRFTISRTSTTVDLKMTSLTTEDTATYFCARGNTFFRLWGPGLTVTVSSGQPKAPSVFP
LAPCCGDTSPSTVTLGCLVKGYLPEPVTVTWNSGTLTNGVRTFSPVRQSSGLYSLSSVSVTSSSQPVTC
NVAHPATNTKVDKTVAPSTCSKPTCPPPELLGGPSVFIFFPKPKDTLMISRTPEVTCVVDVSDQDDPEVQFT
WYINNEQVRTARPLREQQFNSTIRVVSTLPIAHQDWLRGKEFKCKVHNKALPAPIEKTISKARGQPLEPKV
YTMGPPREELSSRSVSLTCMINGFYPSDISVEWEKNGKAEDNYKTPAVLSDSGSYFLYSKLSVPTSEWQ
RGDVFTCSVMHEALHNHYTQKSISRSPGK-

SAIC-42B-10-L2, SERPINA6, AQLLQGLGFNLTER

>SAIC-42B-10-L2

ATG GACACGAGGGCCCCACTCAGCTGCTGGGGCTCCTGCTGCTCTGGCTCCAGGTGCCAGATGTG
TATTCGAATTGACCCAGACTGCATCCCCGTGTCTGCAGCTGTGGGAGGCACAGTCACCATCAAGTGC
CAGACCAGTCAGAGCATTGGTAGTAATTTAGCCTGGTATCAGCAGAAACCAGGGCAGCCTCCCAAGCT
CCTGATCTATGCTGCATCCAATCTGGCATCTGGGGTCCCATCGCGGTTCAAAGGCAGTGGATCTGGGA
CACAGTTCACCTCTACCATCAGCGACCTGGAGTGTGCCGATGCTGCCACTTACGACTGTCAAATCTATG
GTAGTGGTGCTAGTGGTAGTCCTGTTTATCCTTTTCGGCGGAGGGACCGAGGTGGTGGTCAAA
GGTGTCCAGTTGCACCTACTGTCCTCATCTTCCCACCAGCTGCTGATCAGGTGGCAACTGGAACAGT
CACCATCGTGTGTGGCGAATAAATACTTTCCCGATGTCACCGTCACCTGGGAGGTGGATGGCACCA

CCCAAACAACCTGGCATCGAGAACAGTAAACACCGCAGAATTCTGCAGATTGTACCTACAACCTCAGCA
GCACTCTGACACTGACCAGCACACAGTACAACAGCCACAAAGAGTACACCTGCAAGGTGACCCAGGG
CACGACCTCAGTCGTCCAGAGCTTCAATAGGGGTGACTGTAG

Protein sequence:

>SAIC-42B-10-L2

MDTRAPTQLLGLLLLWLPGARCVFELTQTASPVSAVGGTVTIKCQTSQSIGSNLAWYQQKPGQPPKLLIY
AASNLAGVPSRFKGSSTQFTLTISDLECADAAATYDCQIYSGASGSPVYPPFGGGTEVVVKGDPVAPT
VLIFPPAADQVATGTVTIVCVANKYFPDVTVTWEVDGTTQTTGIENSKTPQNSADCTYNLSSTLTLTSTQYN
SHKEYTCKVTQGTTSVVQSFNRGDC-

SAIC-43B-8-H1, CLU, ASSIIDELFQDR

>SAIC-43B-8-H1

ATG GAGACTGGGCTGCGCTGGCTTCTCCTGGTCGCTGTGCTCAAAGGTGTCCAGTGTGAGTCCGGTGG
AGGAGTCCGGGGGTGCGCTGGTCACGCCTGGGACACCCCTGACACTCACCTGCACAGTCTCTGGATT
CTCCCTCAGTAGCTATGCATTGAACTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAATGGATCGGA
ATCATTAGTAGTAGTGGTAGCTCATACTACGCTAGCTGGGCGAAAGGCCGATTACCATCTCCAGAACC
TCGACCACGGTGGATCTGAAAATCACCAGTCCGACAACCGAGGACACGGCCACCTATTTCTGTGCCAG
AGACGTTTACGATATTGTTGGTTATGCTTATGCTACCGGATTTAACTTGTGGGGCCCAGGCACCCTGGTC
ACCGTCTCCTCA

GGGCAACCTAAGGCTCCATCAGTCTTCCCACTGGCCCCCTGCTGCGGGGACACACCCAGCTCCACGG
TGACCCTGGGCTGCCTGGTCAAAGGGTACCTCCCGGAGCCAGTGACCGTGACCTGGAACCTCGGGCA
CCCTACCAATGGGGTACGCACCTTCCCGTCCGTCCGGCAGTCCCTCAGGCCCTACTCGCTGAGCAG
CGTGGTGAAGCTGACCTCAAGCAGCCAGCCCGTCACTGCAACGTGGCCCACCCAGCCACCAACAC
CAAAGTGGACAAGACCGTTGCGCCCTCGACATGCAGCAAGCCCACGTGCCACCCCTGAACTCCTG
GGGGACCGTCTGTCTTTCATCTTCCCCCAAACCAAGGACACCCCTCATGATCTCACGCACCCCGA
GGTCACATGCGTGGTGGTGGACGTGAGCCAGGATGACCCCGAGGTGCAGTTCACATGGTACATAAACA
ACGAGCAGGTGCGCACCGCCCGGCCGCGCTACGGGAGCAGCAGTTCAACAGCAGCAGTCCGCGTGG
TCAGCACCCCTCCCATCGCGCACCAAGGACTGGCTGAGGGGCAAGGAGTTCAAGTGCAAAGTCCACAA
CAAGGCACTCCCGGCCCCCATCGAGAAAACCATCTCAAAGCCAGAGGGCAGCCCTGGAGCCGAA
GGTCTACACCATGGGCCCTCCCGGGAGGAGCTGAGCAGCAGGTCCGGTCAGCCTGACCTGCATGATC
AACGGCTTCTACCCTTCCGACATCTCGGTGGAGTGGGAGAAGAACGGGAAGGCAGAGGACAACACTACA
AGACCACGCCGGCCGTGCTGGACAGCGACGGCTCTACTTCTCTACAGCAAGCTCTCAGTGCCAC
GAGTGAGTGGCAGCGGGGCGACGTCTTACCTGCTCCGTGATGCACGAGGCCTTGACAACCACTAC
ACGCAGAAGTCCATCTCCCGCTCTCCGGGTAAATGA

Protein sequence:

>SAIC-43B-8-H1

METGLRWLLLVAVLKGVQCQSVEESGGRLVTPGTPLTLTCTVSGFSLSSYALNWVRQAPGKGLEWIGIIS
SGSSYYASWAKGRFTISRTSTTVDLKITSPTTEDTATYFCARDVYDIVGYAYATGFNLWGPGLVTVSSGQ
PKAPSVFPLAPCCGDTSPSTVTLGCLVKGYLPEPVTVTWNSGTLTNGVRTFPSVRQSSGLYSLSSVSVTS
SSQPVTCNVAHPATNTKVDKTVAPSTCSKPTCPPPELLGGPSVFIFPPKPKDTLMISRTPEVTCVVVDVSD
DPEVQFTWYINNEQVRTARPLREQQFNSTIRVVSTLPIAHQDWLRGKEFKCKVHNKALPAPIEKTISKARG
QPLEPKVYTMGPPREELSSRSVSLTCMINGFYPSDISVEWEKNGKAEDNYKTTPAVLDSGYSFLYKLSV
PTSEWQRGDVFTCSVMHEALHNHYTQKSISRSPGK-

SAIC-43B-8-L1, CLU, ASSIIDELFQDR

>SAIC-43B-8-L1

ATG GACACGAGGGCCCCCACTCAGCTGCTGGGGCTCCTGCTGCTCTGGCTCCAGGTGCCACATTTG
CCGCCGTGCTGACCCAGACTCCATCTCCCGTGTCTGCAGTTGTGGGAGGCACAGTCAGCATCAGTTG
CCAGTCCAGTAAGAGTGTATAATAACAACCTGGTTATCCTGGTTTCAGCAGAAACCAGGGCAGCCTCC
CAAGCTCCTGATCTATGGTGCATCCACTCTGGCATCTGGGGTCCCATCGCGGTTCAAAGGCAGTGGAT
CTGGGACACAGTTCCTCCTCACCATCAGCGACGTGCAGTGTGACGATGCTGCCACTTACTACTGTGCA
GGCGTTATAGTAGTAGTAGTGATAAAGGATATGCTTTCGGCGGAGGGACCGAGGTGGTGGTCAA
GGTGTCCAGTTGCACCTACTGTCCTCATCTTCCACCAGCTGCTGATCAGGTGGCAACTGGAACAGT

CACCATCGTGTGTGTGGCGAATAAATACTTTCCCGATGTCACCGTCACCTGGGAGGTGGATGGCACCA
CCCAAACAACCTGGCATCGAGAACAGTAAACACCGCAGAATTCTGCAGATTGTACCTACAACCTCAGCA
GCACTCTGACACTGACCAGCACACAGTACAACAGCCACAAAGAGTACACCTGCAAGGTGACCCAGGG
CACGACCTCAGTCGTCCAGAGCTTCAATAGGGGTGACTGTAG

Protein sequence:

>SAIC-43B-8-L1

MDTRAPTQLLGLLLLWLPGATFAAVLTQTPSPVSAVVGTVSISCQSSKSVYNNWLSWFQQKPGQPPKL
LIYGASTLASGVPSRFKGS GSGTQFTLTISDVQCDDAATYYCAGGYSSSSDKGYAFGGGTEVVVKGDPVA
PTVLIFPPAADQVATGTVTIVCVANKYFPDVTVTWEVDGTTQTTGIENSKTPQNSADCTYNLSSTLTLTSTQ
YNSHKEYTCKVTQGTTSVVQSFNRGDC-