

Fig. S2

C-terminal GTA tag

|      |            |            |             |            |             |             |
|------|------------|------------|-------------|------------|-------------|-------------|
| 1    | GGAGGAGGAT | CTGGAGGAGG | AGGATCTGGA  | GGAGGAGGAA | TGAGTAAAGG  | AGAAGAACTT  |
| 61   | TTCACTGGAG | TTGTCCAAT  | TCTTGTGAA   | TTAGATGGTG | ATGTTAATGG  | GCACAAATTT  |
| 121  | TCTGTCACTG | GAGAGGGTGA | AGGTGATGCA  | ACATACGGAA | AACTTACCCT  | TAAATTTATT  |
| 181  | TGCACTACTG | GAAAACTACC | TGTTCCATGG  | gtaagtttaa | acatatatat  | actaactaac  |
| 241  | cctgattatt | taaattttca | gCCAACACTT  | GTCACTACTT | TCTGTTATGG  | TGTTCAATGC  |
| 301  | TTCTCGAGAT | ACCCAGATCA | TATGAAACGG  | CATGACTTTT | TCAAGAGTGC  | CATGCCCGAA  |
| 361  | GGTTATGTAC | AGGAAAGAAC | TATATTTTTC  | AAAGATGACG | GGAACACAA   | GACACgtaag  |
| 421  | tttaaacagt | tcggtacgaa | gttcctatac  | tttctagaga | ataggaactt  | ccctgttgac  |
| 481  | aattaatcat | cggcatagta | tatcggcata  | gtataatac  | acaaggtgag  | gaactaaacc  |
| 541  | caggaggcag | atcatgagtc | tgaaaagaaaa | aacacaatct | ctgtttgcca  | acgcatttgg  |
| 601  | ctaccctgcc | actcacacca | ttcaggcgcc  | tggccgcgtg | aatttgattg  | gtgaacacac  |
| 661  | cgactacaac | gacggtttcg | ttctgcccgt  | cgcgattgat | tatcaaaccg  | tgatcagttg  |
| 721  | tgcaccacgc | gatgaccgta | aagttcgcgt  | gatggcagcc | gattatgaaa  | atcagctcga  |
| 781  | cgagttttcc | ctcgatgcgc | ccattgtcgc  | acatgaaaac | tatcaatggg  | ctaaactacgt |
| 841  | tcgtggcggt | gtgaaacatc | tgcaactgcg  | taacaacagc | ttcggcggtg  | tggacatggt  |
| 901  | gatcagcggc | aatgtgccc  | agggtgccgg  | gttaagttct | tccgcttcac  | tggaaagtcgc |
| 961  | ggtcggaaac | gtattgcagc | agctttatca  | tctgccgctg | gacggcgcac  | aaatcgcgct  |
| 1021 | taacggtcag | gaagcagaaa | accagtttgt  | agggctgaac | tgcgggatca  | tggatcagct  |
| 1081 | aattttccgc | ctcggcaaga | aagatcatgc  | cttgctgatc | gattgccgct  | cactggggac  |
| 1141 | caaagcagtt | tccatgcccc | aagggtgtgg  | tgctgctatc | atcaacagta  | acttcaaacy  |
| 1201 | taccctggtt | ggcagcgaat | acaacacccg  | tcgtgaacag | tgcgaaaccg  | gtgcgcgttt  |
| 1261 | cttccagcag | ccagccctgc | gtgatgtcac  | cattgaagag | ttcaacgctg  | ttgcgcgatga |
| 1321 | actggacccg | atcgtggcaa | aacgcgtgcg  | tcatatactg | actgaaaacg  | cccgcaccgt  |
| 1381 | tgaagctgcc | agcgcgctgg | agcaaggcga  | cctgaaacgt | atgggcgagt  | tgatggcgga  |
| 1441 | gtctcatgcc | tctatgcgcg | atgattttcg  | aatcaccgtg | ccgcaaattg  | acactctggt  |
| 1501 | agaaatcgtc | aaagctgtga | ttggcgacaa  | aggtggcgta | cgcatgaccg  | gcggcggtatt |
| 1561 | tggcggtgtg | atcgtcgcgc | tgatcccggg  | agagctgggt | cctgccgtac  | agcaagctgt  |
| 1621 | cgctgaacaa | tatgaagcaa | aaacaggtat  | taaagagact | ttttacgttt  | gtaaaccatc  |
| 1681 | acaaggagca | ggacagtgtc | gaggatccac  | tagttctaga | gcggccgga   | agttcctata  |
| 1741 | ctttctagag | aataggaact | tc          | taactaac   | catacatatt  | taaattttca  |
| 1801 | TCAAGTTTGA | AGGTGATACC | CTTGTTAATA  | GAATCGAGTT | AAAAGGTATT  | GATTTTAAAG  |
| 1861 | AAGATGGAAA | CATTCTTGGA | CACAAATTGG  | AATACAACTA | TAACTCACAC  | AATGTATACA  |
| 1921 | TCATGGCAGA | CAACAAAAG  | AATGGAATCA  | AAGTTgtaag | tttaaaccatg | attttactaa  |
| 1981 | ctaactaatc | tgattttaa  | tttcagAACT  | TCAAAATTAG | ACACAACATT  | GAAGATGGAA  |
| 2041 | GCGTTCAACT | AGCAGACCAT | TATCAACAAA  | ATACTCCAAT | TGGCGATGGC  | CCTGTCCTTT  |
| 2101 | TACCAGACAA | CCATTACCTG | TCCACACAAT  | CTGCCCTTTC | GAAAGATCCC  | AACGAAAAGA  |
| 2161 | GAGACCACAT | GGTCCTTCTT | GAGTTTGTAA  | CAGCTGCTGG | GATTACACAT  | GGCATGGATG  |
| 2221 | AACTATACAA | ATCTGGAGGA | GGATCTGAAA  | ATCTTTATTT | CCAAGGATCC  | GAGAACCCTTT |
| 2281 | ACTTCCAAGG | ATCTGGAGGA | GGATCTGGAC  | TTAATGATAT | TTTCGAAGCT  | CAGAAGATTG  |
| 2341 | AATGGCATGA | ATAA       |             |            |             |             |

flexible linker  
GFP  
FRT site  
galk sequence  
2 TEV sites  
Avi tag  
stop/start codon