

Sequences

1.

GGDD

2.

[DN]X[ST]XXX[RK]

3.

5FSH (FIG. 17)

VEDLDALWERYREAVRAGGNPQALYQEMVWPALLALWREKPRVYFPQAFVSVHTLGTSPEATALAILGA
GAERVYVLHTPESARFLPRLRQDTGKDLYPVEIGKSDVEAIYREVKRLLLEKHPEVPVALDLTSGTKAMSAGLA
AAGFFFQRFYPKVRVYVDNEDYDPELRRPRAGTEKLRILPNPHEA

4.

SeCsm6 (FIG. 17)

MKILFSPIGNSDPWRNDRDGAMLHIVRHYNLDKVVLYFTRTIWEGNENRKGHKIYEWEEKIQTVPNTVEVEIII
NVDNAQDYDVFKEKFHKYLKIIEDSYEDCEILNVTSGTPQMESTLCLEYIVYPENKKCVQVSTPTKDSNAGIE
YSNPDKKVEEFEIVNEVEKKSEKRCKEINIL

5.

StCsm6 (FIG. 17)

LKILISAVGTTDPISNNHDAALLHIARNYRPDKIVLVYSQEMMVKQDLINKVLLSIEGYNPIIEIDSTILNNDEVFLF
DKMYEVMGQIVQKYNTDDNEIILNLSSGTPQIISALFALNRINDYNTQAIQVATPKNRANREYALTETEIDALI
MENQDNRLDFVDRSIKDKSE

6.

StCsm6' (FIG. 17)

MRVLISAVGDTDPFRNFHDGSLIHIARKYRPEKVILIFSEHTAKKQGNIEKALFSIAPNYEPELIHDPIISDNEVHI
FDVMFQRFSDILQEYYTKEDEFILNLSSATPQIKSALFVINRLNGINVKAVQVSSPEHASNENIGHDNDENIDEL
IEVNKDNKVNFDRTIEDNAE

7.

4RGP (FIG. 18)

TEQETLTILLDVYAYYQAYQIVKASQFFSDDIIFLLELLKERRELNVDFLFQNQVHLQELELTYHISLLDNAYEEE
LLANYIMDLEAKLRNDHIIDFVRSVSPILYRLLMRLMQSQVADINDYIYDAKNDQYDTWKFDKMHDSANPFVQ
NFVAKGRDSKITSRSLADFIQLTDLPQAIKDNILLRDFEKSVRNPLAHLIKPFDEEELHRTTGFSSQTFLEKIIQ
LAVFSGIHYDNDKFYFDKVNELIKRIYQN

8.

SeCsm6 (FIG. 18)

SFREAMIRSQILGLIDNYDYEGALNLVSNQKSFRNGKLLRKKLLSLTKQIKTHEVFPEINEKYRDDALKKSLFH
YLLLNMRYNRLDVAETLIRVKSIAEFILKTYIEIHWPTLIEKDGPYLNDEDNLSFVYKYNLLLEKRRQNFDVSRI
LGLPAFIDILTILEPNSQLLKEVNAVNDINGLRNSIAHNLDTLNLDKNKNYKKIMLSVEAIKNMLHISFPEIEEEDY
NYFEEKNKEFKELL

9.

StCsm6 (FIG. 18)

KFTQALVKRHLRSLIASFDYQAAEAIINRKEYNKLLSKKKIAYIREKLYDFSRVFKNQSSILSDILSFPLDDSQKKA
LNYYLMIDVLKEREHIADVLIKAKSLAEFVIEETIKKDHEGLIVFDGNLPKLNPSFPDCEAILDDIDKKMKKSRGIE
DTEERIFSVQSTLNLLSYLNILEFYEYDSQLQTAINGILSLNGERNKVAHGLSEIDTRLLSRKKLKQLSENLRLLL
VDCLGIDSSYFNYYDKQNKELIKMLE

10.

StCsm6' (FIG. 18)

KFSQALLKKTARDFIEKFDYKAALDILDQLSDFPNLKSVMREEIRDVVNCLSKQDVPKGLRHHKKLKEEEQKILSA
YLTIELQRERGNVSESFIRIKNLTEFILEDYIEKRYPLIDEYCEDIQKYLSLFDYSKLLKATKEFKLKRTIAPIID
MNSSRNKVAHSLSPLDSDAVKQLGIAMKTLKTLVREQYHFSQSDFNFYHDLNKILLTKLN

11.

RNA NS (FIG. 25)

GGGCGGCAAAUUGAGGAUUUCGUAACUGUUUAAUUCUGUUCACUUAUUCACCAACAAAAGGUGGC
GA

12.

RNA (FIG. 25) NSc

GGGAAACAGCAUAGCAAGUUAAAAUAAGGCUAGUCCGUUAUCAACUUGAAAAAGUGGCACCGAGUCG
GUGCUUUUUUU

13.

RNA (FIG. 25) NSd

GGGUAAAUCUUGCAGAAGCUACAAAGAUAAAGGCUUCAUGCCGAAAUCAACACCCUGUCAUUUUUAUGG
CAGGGUGUUUUUCG

14.

HEPN Active Site

RXXXXH

15.

RNA NSe (FIG. 25)

GGGUUUUCCCAACCAUCCAGCCUACCGGCGGUCCGACCUGCCUUCCCUUUCCC

16.

S3 crRNA (Table 1)

CUUAUUCACUUGUCUUAUUUUGUCA AUGCUUUC AAAGGCA

17.

RNA S3/2 (Table 1)

GGGAUCCCCAAUAUAAGGUGGAAUAAGUGAACAGAAUUAACAGUUACGAAAAAAAAAAGGGUACC

18.

RNA S3/3 (Table 1)

GGGAUCCCCAAUAUAAGGUGGAAUAAGUGAACAGAAUUAACAGUUACGAAAGUUUCCGUGGGUACC

19.

RNA S3/7 (Table 1)

GGGAUCCCCAAUAUAAGGUGGAAUAAGUGAACAGAAUUAACAGUUACCUAAAAAAAAAAGGGUACC

20.

RNA S3/15 (Table 1)

GGGAUCCCCAAUAUAAGGUGGAUAAAGUGAACAGAAUUAACAGUUACGAAAAAAAAAAGGGUACC

21.

RNA S3/9 (Table 1)

GGGAUCCCCAAUAUAAGGUGGAAUAAGUGAACACUAUUAACAGUUACGAAAAAAAAAAGGGUACC

22.

RNA S3/10 (Table 1)

GGGAUCCCCAAUAUAAGGUGGAAUAAGUGAACAGAAUUAACAGUUACGAAA

23.

RNA S3/14 (Table 1)

GGAAUAAGUGAACAGAAUUAACAGUUACGAAAAAAAAAAGGGUACC

24.

ssRNA NSa (Table 1)

GGGTACCGAGCTCGAATTGAAATTCTAAACGCTAAAGAGGAAGAGGACATGGTGAATTCGTAATCATGGTCATAGCTGTTTCCC

25.

ssRNA NSb (Table 1)

GGGAAACAGCTATGACCATGATTACGAATTCACCATGTCCTCTTCCTCTTTAGCGTTTAGAATTTCAATTCGAGCTCGGTACCC

26.

ssDNA S3/2 (Table 1)

AAATATAAGGTGGAATAAGTGAACAGAATTAAACAGTTACGAAAAAAAAAA