

Additional file 5. Conserved cysteine patterns per SPF clade in *N. viridescens*.

| | | signal peptide | mature protein |
|-----------|--------|------------------------------------|--|
| clade1 | SFF032 | MKALLASISILFAFISRGNAIECEVCSGOASTD- | CSGELVT-CDQTVESQTAITDMTFEGLDGMYVISKNSDVGAK-NILYRVAAKDV--FYQQ-RVEVQTNQCNKGPLQFPKNTTLNG |
| clades3,4 | SFF094 | MRAILAAVVMQLALITGADCLLCEQCFVVGSSQ- | CSGIFKQ-CDPDVTHCVKGMENSTLGRVVLSAF-KDCLNFSQKAAQGREFFHKDSALFFQITRT-CDSDFCNKRDEVPVAVDNTPNG |
| clade2 | SFF063 | MKALLASVSILFAFISRGESLSCQCMNLNGAT- | CSGNQRV-CEGYATRCDNTYMEFTRDGTSTTF-KGQAVEQK---@TNYFLSESLGGFQFRMQKSY@EKDN@NTRDLVPPRNTPNG |
| clade1 | SFF032 | | VK@PT@VVDGELS CESTEVLE@VGMATN@LYPAATFRNTAAPPVQTAFRG@TNAKFQAEQVPIGPPYTVQDVVT--LIV---S---KGV |
| clades3,4 | SFF094 | | YKCED@FTTQSTGPTATGGIQCTGEQNTCGSFGGVARPGEVVRQISMKGCVSPDF---@DLFVPAATQ-VYNYDLL---@SPAQKL |
| clade2 | SFF063 | | VR@PK@YAENATS @QSYETME@TGLETK@MDFGGKIRKYDQILTVASMN-@VNEEP---@NQPIMY@SDGPAVEIDHFR-@SDGEEKYS |