

Table S7. Comparison of the putative AKMV_AKHM13-88 host range factors to CPXV_BR

| Category | Host range factor | Gene in AKMV | Homolog in CPXV_BR | Accession # | Size comparison AKMV/CPXV_BR | Amino Acid Identity % |
|----------------|-------------------|--------------|--------------------|-------------|------------------------------|-----------------------|
| - | K3L | AKMV039 | CPXV043 | NP_619832 | 88/88 | 90.91 |
| - | E3L | AKMV065 | CPXV069 | NP_619856 | 190/190 | 93.68 |
| C7L/C4 | C7L | AKMV025 | CPXV029 | NP_619818 | 150/150 | 94.00 |
| | C4L | AKMV016* | CPXV020 | NP_619809 | 168/170 | 72.94 |
| TNFR II Family | CrmB | AKMV002* | CPXV005 | NP_619793 | 348/355 | 82.91 |
| | CrmC | AKMV187* | CPXV191 | NP_619973 | 168/187 | 76.92 |
| | CrmD | -* | CPXV221 | NP_620001 | | |
| | CrmE | AKMV217* | - | | | |
| - | T4 | AKMV198* | CPXV203 | NP_619984 | 249/226 | 84.44 |
| Bcl-2 family | M11/F1L | AKMV044* | CPXV048 | NP_619836 | 244/251 | 84.52 |
| Serpins | SPI-1 | AKMV210* | CPXV217 | NP_619997 | 360/372 | 88.61 |
| | SPI-2 | AKMV202 | CPXV207 | NP_619988 | 344/341 | 90.99 |
| | SPI-3 | AKMV038 | CPXV042 | NP_619831 | 373/373 | 95.71 |
| - | P28-like | AKMV019* | CPXV023 | NP_619812 | 247/242 | 86.69 |
| - | B5R | AKMV194 | CPXV199 | NP_619980 | 317/317 | 91.80 |
| - | C3L | AKMV030* | CPXV034 | NP_619823 | 263/263 | 84.03 |
| ANK/F-box | Group 1 | AKMV208* | CPXV213 | NP_619994 | 797/800 | 87.27 |
| | Group 2 | AKMV008 | CPXV011 | NP_619800 | 659/658 | 90.24 |
| | Group 3 | AKMV206 | CPXV211 | NP_619992 | 575/574 | 90.96 |
| | Group 4 | AKMV212 | CPXV220 | NP_620000 | 580/579 | 93.80 |
| | Group 5 | AKMV003* | CPXV006 | NP_619794 | 592/619 | 82.44 |
| | Group 6 | AKMV193 | CPXV198 | NP_619979 | 556/558 | 93.19 |
| | Group 7 | AKMV021* | CPXV025 | NP_619814 | 672/668 | 79.02 |
| | Group 8 | AKMV013* | CPXV017 | NP_619806 | 428/435 | 78.37 |
| | Group 9 | AKMV023* | CPXV027 | NP_619816 | 644/632 | 83.72 |
| | Group 10 | AKMV005* | CPXV008 | NP_619796 | 671/672 | 85.58 |
| - | K1L | AKMV037 | CPXV041 | NP_619830 | 284/284 | 92.25 |

*, factors showing lower identity (<90%), or deletion, or truncation between AKMV_AKHM13-88 and CPXV-BR.