**Akkermansia CAG:34 (CDD94772.1)**

CDD94772.1

GA**H**PGNVHLYRNGEN------ (6aa + 9aa core, H at position 3)

GA**R**PGNVHLYRNGEN------ (6aa + 9aa core, R at position 3)

---PGNVHLYRNGENPWL--- (3aa + 9aa core + 3 aa)

------VHLYRNGENPWLQEF (9aa core + 6 aa)

Human MOG homolog

PPFSRVVHLYRNGKD------ (6aa + 9aa core)

---SRVVHLYRNGKDQDG--- (3aa + 9aa core + 3 aa)

------VHLYRNGKDQDGDQA (9aa core + 6aa)

**Akkermansia CAG:34 (CDD93534.1)**

CDD93534.1

VVVLGIIPILGPLLA----- (5 aa + 10aa core)

---LGIIPILGPLLASSL-- (2aa + 10aa core + 3aa)

-----IIPILGPLLASSLYK (10aa core + 5 aa)

Human MOG homolog

ITLFVIVPVLGPLVA----- (5 aa + 10aa core)

---FVIVPVLGPLVALII-- (2aa + 10aa core + 3aa)

-----IVPVLGPLVALIICY (10aa core + 5 aa)