



aRNH 1

Archon

Ta11 L1

Chronos

Oomyc. L1

aRNH 3

aRNH 2

Utopia

Plant genes

Tat II, IV-VI

Tat III

Chronos, Archon gRH

Tma, Tricopia, SIRE14

EIAV, MULV, KorV, XEN1

ZFERV, HFV, FFFV, DrFV-1

Caenorhabditis elegans NP\_001040786, Homo sapiens AAV38476

Trypanosoma brucei AAV47537, Candida orthopositis XP\_003871485, Pichia pastoris XP\_002490024

Escherichia coli 1G15 (PDB), Buchnera aphidicola NP\_777852, Shewanella dentrificans YP\_563025, Blastocystis sp JZRM01000011, Helicobacter pylori YP\_005780399

Chronos

Ta11 L1

aRNH 2

Utopia

oomyc. L1

aRNH 3

free-living Stramenopiles

Plant genes

Tat II, IV-VI

Crenarchaeota /Bacteria

RNH 1

Archon

Euryarchaeota

Tat III

LTR

non-LTR

RTV 2

RTV 1,3

Fungi/ Metazoa

Bacteria

oomyc. fmRNH