loss in Coccinellidae

Major Facilitator Superfamily
neurotransmitter transport
neurotransmitter:sodium symporter activity
transmembrane transport
Sodium:neurotransmitter symporter family

emergence in Coccinellinae

Histidine phosphatase superfamily (branch 2)
transmembrane transport
Innexin
serine−type peptidase activity
hydrolase activity, hydrolyzing O−glycosyl compounds
carbohydrate metabolic process proteolysis
SPRY domain
Fibronectin type III domain
Carboxylesterase family
Major Facilitator Superfamily

loss in Coccinellinae

Sugar (and other) transporter
CRAL/TRIO domain
Tetraspanin family
alpha/beta hydrolase fold
Ras family
transmembrane transporter activity
GTPase activity
GTP binding
odorant binding
PBP/GOBP family
UDP−glucoronosyl and UDP−glucosyl transferase
G protein−coupled receptor signaling pathway
BTB/POZ domain
transmembrane transport
Lipase
protein homooligomerization
Zinc finger, C2H2 type
Insect pheromone−binding family, A10/OS−D

emergence in Serangiini

DNA binding
Major Facilitator Superfamily
PBP/GOBP family
Mitochondrial carrier protein
odorant binding
serine−type endopeptidase activity
Homeobox KN domain
iron ion binding
Cytochrome P450
oxidoreductase activity, acting on paired donors, with incorporation or reduction of molecular oxygen
Trypsin
BTB/POZ domain
transmembrane transport
regulation of transcription, DNA−templated
heme binding
oxidation−reduction process
proteolysis
Zinc finger, C2H2 type
Hsp20/alpha crystallin family

loss in Serangiini

Chitin binding Peritrophin−A domain
transferase activity, transferring acyl groups
Acyltransferase
Ankyrin repeats (3 copies)

emergence in Stethorini

emergence in Epilachnini

Serpin (serine protease inhibitor)
regulation of transcription, DNA−templated
DNA−binding transcription factor activity
DNA binding
Lipocalin / cytosolic fatty−acid binding protein family

emergence in Coccinellini

emergence in mycophagous ladybirds

Immunoglobulin domain

emergence in omnivorous ladybirds

Count
a 1.00
a 1.25
a 1.50
a 1.75
a 2.00

Annotation
a GO
a Pfam

p.adjust
a 0.00
a 0.25
a 0.50
a 0.75
a 1.00