



1-8.82 GO:0009882- branched chain family amino acid biosynthetic process
 2-4.15 GO:0009881- branched chain family amino acid metabolic process
 3-2.02 GO:004400- vesicle encapsulating structure part
 4-1.68 GO:003013- cell envelope
 5-1.94 GO:0009882- valine amino acid biosynthetic process
 6-1.61 GO:0016053- organic acid biosynthetic process
 7-1.61 GO:0009882- valine amino acid biosynthetic process
 8-1.27 GO:0009882- amino biosynthetic process
 9-16.95 GO:0042803- protein homodimerization activity
 10-1.95 GO:004400- vesicle encapsulating structure
 11-1.57 GO:0044881- protein dimerization activity
 12-1.28 GO:003013- cell envelope
 13-1.23 GO:0033775- envelope
 14-1.18 GO:0009724- capsid glycoprotein-based cell wall
 15-1.18 GO:0009618- cell wall
 16-0.95 GO:0009724- capsid glycoprotein
 17-2.75 GO:003013- cell envelope
 18-2.75 GO:0016081- guanyl nucleoside binding
 19-2.75 GO:0009724- capsid glycoprotein
 20-1.99 GO:0016087- outer membrane
 21-1.81 GO:0009724- capsid glycoprotein
 22-4.3 GO:0008551- nucleic metabolic process
 23-4.1 GO:0009882- branched chain family amino acid biosynthetic process
 24-4.1 GO:0009882- branched chain family amino acid biosynthetic process
 25-4.3 GO:0016085- negative regulation of macromolecule metabolic process
 26-4.3 GO:0016085- negative regulation of macromolecule biosynthetic process
 27-4.3 GO:001172- negative regulation of nitrogen compound metabolic process
 28-4.05 GO:0009882- branched chain family amino acid biosynthetic process
 29-4.05 GO:0033127- negative regulation of cellular biosynthetic process
 30-1.15 GO:0046377- colanic acid metabolic process
 31-1.19 GO:0009742- colanic acid biosynthetic process
 32-1.15 GO:0046377- colanic acid metabolic process
 33-1.15 signal peptide
 34-1.41 dna-binding
 35-1.3 GO:0003677- dna binding

group 1: 2, 4, 5
 group 2: 1, 6, 8
 group 3: 1, 5, 11
 group 4: 1, 3, 8
 group 5: 1, 3, 11
 group 6: 1, 2, 5
 group 7: 1, 2, 5
 group 8: 1, 2, 5
 group 9: 1, 1, 9
 group 10: 1, 1, 8
 group 11: 1, 1, 3
 group 12: 1, 1, 2