|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Protein ID | Description | Outer Membrane | Periplasm | Extracellular Media | CAZy | P-value |
| Fisuc\_0002 | diaminopimelate dehydrogenase |  | YES | YES |  | 0.05 |
| Fisuc\_0003 | hypothetical protein |  | YES |  |  | Unique |
| Fisuc\_0009 | hypothetical protein | YES |  | YES |  | 0.46 |
| Fisuc\_0024 | ribose 5-phosphate isomerase |  | YES | YES |  | 0.05 |
| Fisuc\_0026 | hypothetical protein | YES |  |  |  | Unique |
| Fisuc\_0033 | hypothetical protein | YES |  |  |  | Unique |
| Fisuc\_0059 | Nucleotidyl transferase |  | YES |  |  | Unique |
| Fisuc\_0060 | chaperonin Cpn10 |  |  | YES |  | Unique |
| Fisuc\_0061 | chaperonin GroEL | YES | YES | YES |  | 0.05 |
| Fisuc\_0063 | hypothetical protein | YES |  | YES |  | 0.05 |
| Fisuc\_0067 | 3-isopropylmalate dehydratase, large subunit |  | YES |  |  | Unique |
| Fisuc\_0068 | 3-isopropylmalate dehydratase, small subunit |  | YES | YES |  | 0.04 |
| Fisuc\_0102 | glyceraldehyde-3-phosphate dehydrogenase, type I | YES | YES | YES |  | 0.19 |
| Fisuc\_0106 | peptidase M20 |  |  | YES |  | Unique |
| Fisuc\_0116 | aminotransferase class I and II |  | YES | YES |  | 0.64 |
| Fisuc\_0137 | Anthranilate synthase |  | YES | YES |  | 0.51 |
| Fisuc\_0163 | SirA family protein |  | YES | YES |  | 0.03 |
| Fisuc\_0166 | Mov34/MPN/PAD-1 family protein |  | YES |  |  | Unique |
| Fisuc\_0171 | hypothetical protein |  |  | YES |  | Unique |
| Fisuc\_0172 | cysteine desulfurase, SufS subfamily |  |  | YES |  | Unique |
| Fisuc\_0179 | tryptophan synthase, beta subunit | YES | YES | YES |  | 0.05 |
| Fisuc\_0181 | aconitate hydratase |  | YES | YES |  | 1.00 |
| Fisuc\_0196 | hypothetical protein | YES |  |  |  | Unique |
| Fisuc\_0202 | hypothetical protein | YES |  | YES |  | 1.00 |
| Fisuc\_0204 | Deoxyribonuclease I |  | YES |  |  | Unique |
| Fisuc\_0205 | ribosomal protein S4 | YES |  |  |  | Unique |
| Fisuc\_0209 | hypothetical protein |  | YES |  |  | Unique |
| Fisuc\_0220 | hypothetical protein | YES |  |  |  | Unique |
| Fisuc\_0221 | ribosomal protein L31 |  | YES |  |  | Unique |
| Fisuc\_0228 | 30S ribosomal protein S20 |  | YES |  |  | Unique |
| Fisuc\_0240 | FAD-dependent pyridine nucleotide-disulphide oxidoreductase | | YES |  |  | Unique |
| Fisuc\_0243 | iron-containing alcohol dehydrogenase |  |  | YES |  | Unique |
| Fisuc\_0245 | arginine biosynthesis bifunctional protein ArgJ |  | YES |  |  | Unique |
| Fisuc\_0246 | transcription elongation factor GreA |  | YES |  |  | Unique |
| Fisuc\_0254 | dihydroorotase |  |  | YES |  | Unique |
| Fisuc\_0257 | peptidyl-prolyl cis-trans isomerase cyclophilin type | | YES | YES |  | 0.04 |
| Fisuc\_0258 | Peptidase M23 |  | YES |  |  | Unique |
| Fisuc\_0283 | hypothetical protein |  |  | YES |  | Unique |
| Fisuc\_0288 | outer membrane efflux protein |  |  | YES |  | Unique |
| Fisuc\_0289 | efflux transporter, RND family, MFP subunit | YES |  |  |  | Unique |
| Fisuc\_0301 | hypothetical protein |  | YES |  |  | Unique |
| Fisuc\_0313 | ketol-acid reductoisomerase | YES | YES | YES |  | 0.06 |
| Fisuc\_0323 | glycoside hydrolase family 44 domain protein |  |  | YES | YES | Unique |
| Fisuc\_0331 | pentapeptide repeat protein | YES | YES | YES |  | 0.03 |
| Fisuc\_0337 | thiopurine S-methyltransferase |  | YES |  |  | Unique |
| Fisuc\_0339 | N-acetyl-gamma-glutamyl-phosphate reductase |  | YES | YES |  | 0.05 |
| Fisuc\_0356 | protein of unknown function DUF28 |  | YES |  |  | Unique |
| Fisuc\_0358 | phosphoglucomutase/phosphomannomutase alpha/beta/alpha domain I | | YES | YES |  | 1.00 |
| Fisuc\_0360 | dihydrodipicolinate synthase |  | YES | YES |  | 0.05 |
| Fisuc\_0362 | Endo-1,4-beta-xylanase |  |  | YES | YES | Unique |
| Fisuc\_0372 | dihydroxy-acid dehydratase |  | YES | YES |  | 0.51 |
| Fisuc\_0377 | fibro-slime family protein | YES |  | YES |  | 0.05 |
| Fisuc\_0381 | Phosphoglycerate kinase |  | YES | YES |  | 0.51 |
| Fisuc\_0382 | hypothetical protein |  |  | YES |  | Unique |
| Fisuc\_0391 | hydro-lyase, Fe-S type, tartrate/fumarate subfamily, beta subunit | | YES | YES |  | 0.38 |
| Fisuc\_0392 | mucin-associated surface protein (MASP) | YES | YES | YES |  | 0.03 |
| Fisuc\_0393 | glycoside hydrolase family 9 | YES |  | YES | YES | 0.05 |
| Fisuc\_0394 | glycoside hydrolase family 9 | YES |  | YES | YES | 0.05 |
| Fisuc\_0400 | Transketolase |  | YES | YES |  | 0.82 |
| Fisuc\_0426 | glutaminyl-tRNA synthetase |  |  | YES |  | Unique |
| Fisuc\_0455 | hypothetical protein |  |  | YES |  | Unique |
| Fisuc\_0463 | hypothetical protein |  | YES |  |  | Unique |
| Fisuc\_0466 | orotate phosphoribosyltransferase |  |  | YES |  | Unique |
| Fisuc\_0470 | methionine aminopeptidase, type I |  | YES | YES |  | 0.12 |
| Fisuc\_0471 | glycoside hydrolase family 8 |  |  | YES | YES | Unique |
| Fisuc\_0475 | translation elongation factor G |  | YES | YES |  | 0.05 |
| Fisuc\_0481 | hypothetical protein | YES |  |  |  | Unique |
| Fisuc\_0483 | hypothetical protein |  |  | YES |  | Unique |
| Fisuc\_0494 | cysteine synthase A |  | YES |  |  | Unique |
| Fisuc\_0495 | hypothetical protein |  |  | YES |  | Unique |
| Fisuc\_0497 | Rubrerythrin |  | YES | YES |  | 0.05 |
| Fisuc\_0500 | Saccharopine dehydrogenase |  | YES | YES |  | 0.05 |
| Fisuc\_0518 | PpiC-type peptidyl-prolyl cis-trans isomerase |  | YES | YES |  | 0.03 |
| Fisuc\_0540 | hypothetical protein |  | YES | YES |  | 0.05 |
| Fisuc\_0550 | hypothetical protein |  | YES |  |  | Unique |
| Fisuc\_0555 | cell wall/surface repeat protein |  |  | YES |  | Unique |
| Fisuc\_0556 | phosphoribosylglycinamide formyltransferase 2 |  | YES |  |  | Unique |
| Fisuc\_0557 | hypothetical protein |  |  | YES |  | Unique |
| Fisuc\_0562 | cell division protein FtsZ | YES |  |  |  | Unique |
| Fisuc\_0578 | hypothetical protein |  |  | YES |  | Unique |
| Fisuc\_0579 | hypothetical protein |  |  | YES |  | Unique |
| Fisuc\_0580 | GLUG domain protein |  |  | YES |  | Unique |
| Fisuc\_0581 | Phosphoserine transaminase | YES | YES | YES |  | 0.06 |
| Fisuc\_0591 | hypothetical protein |  |  | YES |  | Unique |
| Fisuc\_0600 | hypothetical protein | YES |  | YES |  | 0.05 |
| Fisuc\_0620 | ornithine carbamoyltransferase |  | YES | YES |  | 1.00 |
| Fisuc\_0633 | hypothetical protein | YES |  | YES |  | 0.12 |
| Fisuc\_0649 | branched-chain amino acid aminotransferase |  | YES | YES |  | 0.04 |
| Fisuc\_0655 | aminotransferase class I and II |  |  | YES |  | Unique |
| Fisuc\_0657 | hypothetical protein |  | YES | YES |  | 0.05 |
| Fisuc\_0663 | toluene tolerance family protein |  | YES |  |  | Unique |
| Fisuc\_0675 | isocitrate dehydrogenase, NADP-dependent |  | YES | YES |  | 0.10 |
| Fisuc\_0679 | Pectinesterase |  |  | YES | YES | Unique |
| Fisuc\_0688 | hypothetical protein |  |  | YES |  | Unique |
| Fisuc\_0708 | beta-lactamase domain protein |  | YES |  |  | Unique |
| Fisuc\_0719 | hypothetical protein | YES |  |  |  | Unique |
| Fisuc\_0720 | hypothetical protein | YES |  |  |  | Unique |
| Fisuc\_0721 | threonine synthase |  | YES |  |  | Unique |
| Fisuc\_0727 | Mannan endo-1,4-beta-mannosidase |  |  | YES | YES | Unique |
| Fisuc\_0728 | Mannan endo-1,4-beta-mannosidase |  |  | YES | YES | Unique |
| Fisuc\_0729 | Mannan endo-1,4-beta-mannosidase |  |  | YES | YES | Unique |
| Fisuc\_0730 | Mannan endo-1,4-beta-mannosidase |  |  | YES | YES | Unique |
| Fisuc\_0741 | hypothetical protein | YES | YES | YES |  | 0.03 |
| Fisuc\_0742 | hypothetical protein |  |  | YES |  | Unique |
| Fisuc\_0749 | ribosomal protein S1 |  |  | YES |  | Unique |
| Fisuc\_0752 | hypothetical protein | YES | YES | YES |  | 0.05 |
| Fisuc\_0758 | thioredoxin |  |  | YES |  | Unique |
| Fisuc\_0767 | hypothetical protein | YES |  | YES |  | 0.05 |
| Fisuc\_0768 | phosphoglycerate mutase, 2,3-bisphosphoglycerate-independent | YES | YES | YES |  | 0.03 |
| Fisuc\_0775 | polysaccharide export protein | YES |  |  |  | Unique |
| Fisuc\_0777 | dTDP-4-dehydrorhamnose 3,5-epimerase |  | YES | YES |  | 0.18 |
| Fisuc\_0786 | Cellulase | YES |  | YES | YES | 0.03 |
| Fisuc\_0787 | hypothetical protein |  |  | YES |  | Unique |
| Fisuc\_0788 | hypothetical protein | YES |  | YES |  | 0.46 |
| Fisuc\_0798 | hypothetical protein |  |  | YES |  | Unique |
| Fisuc\_0817 | FG-GAP repeat protein |  | YES |  |  | Unique |
| Fisuc\_0830 | hypothetical protein |  |  | YES |  | Unique |
| Fisuc\_0831 | hypothetical protein |  |  | YES |  | Unique |
| Fisuc\_0838 | histone family protein DNA-binding protein | YES | YES |  |  | 0.04 |
| Fisuc\_0844 | OmpA/MotB domain protein |  | YES |  |  | Unique |
| Fisuc\_0845 | Pyruvate carboxylase | YES |  |  |  | Unique |
| Fisuc\_0851 | carboxyl-terminal protease |  | YES |  |  | Unique |
| Fisuc\_0860 | 4-alpha-glucanotransferase |  |  | YES | YES | Unique |
| Fisuc\_0866 | hypothetical protein | YES |  | YES |  | 0.04 |
| Fisuc\_0886 | hypothetical protein |  |  | YES |  | Unique |
| Fisuc\_0888 | hypothetical protein | YES |  |  |  | Unique |
| Fisuc\_0897 | Cellulase |  |  | YES | YES | Unique |
| Fisuc\_0898 | glutamate synthase (NADPH), homotetrameric |  | YES | YES |  | 0.05 |
| Fisuc\_0910 | peptidase C14 caspase catalytic subunit p20 |  |  | YES |  | Unique |
| Fisuc\_0947 | translation elongation factor Ts |  | YES | YES |  | 0.05 |
| Fisuc\_0949 | Electron transfer flavoprotein alpha/beta-subunit | YES | YES |  |  | 0.04 |
| Fisuc\_0951 | acyl-CoA dehydrogenase domain protein | YES | YES |  |  | 0.05 |
| Fisuc\_0974 | ribosomal protein S9 | YES |  |  |  | Unique |
| Fisuc\_0990 | NAD-dependent epimerase/dehydratase |  | YES |  |  | Unique |
| Fisuc\_1000 | Lytic transglycosylase catalytic |  | YES |  | YES | Unique |
| Fisuc\_1004 | DNA-directed RNA polymerase, beta' subunit | YES |  |  |  | Unique |
| Fisuc\_1013 | hypothetical protein | YES | YES | YES |  | 0.06 |
| Fisuc\_1028 | hypothetical protein |  |  | YES |  | Unique |
| Fisuc\_1031 | hypothetical protein |  |  | YES |  | Unique |
| Fisuc\_1044 | formate acetyltransferase |  | YES | YES |  | 0.05 |
| Fisuc\_1071 | O-acetylhomoserine/O-acetylserine sulfhydrylase | | YES | YES |  | 0.05 |
| Fisuc\_1072 | cysteine synthase A | YES | YES | YES |  | 0.02 |
| Fisuc\_1079 | Cystathionine gamma-synthase |  |  | YES |  | Unique |
| Fisuc\_1107 | Glucokinase |  | YES | YES |  | 0.26 |
| Fisuc\_1126 | O-acetylhomoserine/O-acetylserine sulfhydrylase | |  | YES |  | Unique |
| Fisuc\_1142 | hypothetical protein |  |  | YES |  | Unique |
| Fisuc\_1151 | OmpA/MotB domain protein |  |  | YES |  | Unique |
| Fisuc\_1176 | hypothetical protein |  |  | YES |  | Unique |
| Fisuc\_1202 | metal dependent phosphohydrolase |  | YES |  |  | Unique |
| Fisuc\_1204 | Glucose-6-phosphate isomerase |  | YES | YES |  | 1.00 |
| Fisuc\_1219 | glycoside hydrolase family 8 |  |  | YES | YES | Unique |
| Fisuc\_1222 | hypothetical protein |  |  | YES |  | Unique |
| Fisuc\_1223 | hypothetical protein | YES | YES | YES |  | 0.03 |
| Fisuc\_1224 | Cellulase | YES |  | YES | YES | 0.05 |
| Fisuc\_1230 | extracellular solute-binding protein family 5 | YES |  |  |  | Unique |
| Fisuc\_1232 | glycosyl transferase, family 2 | YES |  | YES |  | 0.03 |
| Fisuc\_1238 | sigma 54 modulation protein/ribosomal protein S30EA | | YES | YES |  | 0.05 |
| Fisuc\_1244 | Indolepyruvate ferredoxin oxidoreductase |  | YES | YES |  | 0.08 |
| Fisuc\_1247 | hypothetical protein |  |  | YES |  | Unique |
| Fisuc\_1261 | enolase | YES | YES | YES |  | 0.06 |
| Fisuc\_1268 | ribosomal protein S7 | YES |  |  |  | Unique |
| Fisuc\_1270 | DNA-directed RNA polymerase, beta' subunit | YES |  |  |  | Unique |
| Fisuc\_1271 | DNA-directed RNA polymerase, beta subunit | YES |  | YES |  | 0.49 |
| Fisuc\_1272 | ribosomal protein L7/L12 |  | YES | YES |  | 0.05 |
| Fisuc\_1275 | ribosomal protein L11 | YES |  |  |  | Unique |
| Fisuc\_1279 | translation elongation factor Tu ; Duplicate proteins: 646369730 | YES | YES | YES |  | 0.05 |
| Fisuc\_1284 | hypothetical protein |  |  | YES |  | Unique |
| Fisuc\_1286 | adenosylhomocysteinase |  | YES | YES |  | 0.18 |
| Fisuc\_1313 | hypothetical protein |  |  | YES |  | Unique |
| Fisuc\_1314 | hypothetical protein |  |  | YES |  | Unique |
| Fisuc\_1316 | PEGA domain protein | YES | YES | YES |  | 0.06 |
| Fisuc\_1317 | hypothetical protein |  |  | YES |  | Unique |
| Fisuc\_1319 | hypothetical protein | YES |  | YES |  | 0.05 |
| Fisuc\_1320 | two component transcriptional regulator, winged helix family | |  | YES |  | Unique |
| Fisuc\_1325 | phosphate acetyltransferase |  | YES | YES |  | 0.50 |
| Fisuc\_1326 | fibro-slime family protein |  |  | YES |  | Unique |
| Fisuc\_1327 | fibro-slime family protein |  |  | YES |  | Unique |
| Fisuc\_1334 | DNA polymerase III, beta subunit |  |  | YES |  | Unique |
| Fisuc\_1351 | 5- methyltetrahydropteroyltriglutamate/homocysteine S-methyltransferase | YES | YES | YES |  | 0.04 |
| Fisuc\_1385 | hypothetical protein |  |  | YES |  | Unique |
| Fisuc\_1390 | trigger factor |  | YES | YES |  | 0.13 |
| Fisuc\_1396 | ribosomal protein L17 | YES |  | YES |  | 0.07 |
| Fisuc\_1397 | DNA-directed RNA polymerase, alpha subunit |  |  | YES |  | Unique |
| Fisuc\_1398 | 30S ribosomal protein S11 | YES | YES |  |  | 0.07 |
| Fisuc\_1403 | ribosomal protein L15 | YES |  |  |  | Unique |
| Fisuc\_1405 | ribosomal protein S5 | YES |  |  |  | Unique |
| Fisuc\_1412 | ribosomal protein L14 | YES | YES |  |  | 0.05 |
| Fisuc\_1417 | ribosomal protein L22 | YES | YES |  |  | 0.04 |
| Fisuc\_1419 | ribosomal protein L2 | YES |  |  |  | Unique |
| Fisuc\_1421 | ribosomal protein L4/L1e | YES |  |  |  | Unique |
| Fisuc\_1423 | ribosomal protein S10 | YES | YES |  |  | 0.50 |
| Fisuc\_1426 | Cellulase |  |  | YES | YES | Unique |
| Fisuc\_1460 | histidine acid phosphatase |  | YES |  |  | Unique |
| Fisuc\_1465 | Extracellular ligand-binding receptor | YES |  |  |  | Unique |
| Fisuc\_1472 | phosphoribosylformylglycinamidine cyclo-ligase |  | YES |  |  | Unique |
| Fisuc\_1473 | Cellulase | YES |  | YES | YES | 0.32 |
| Fisuc\_1474 | fibro-slime family protein | YES |  | YES |  | 0.05 |
| Fisuc\_1485 | hypothetical protein |  |  | YES |  | Unique |
| Fisuc\_1486 | Rubrerythrin | YES |  | YES |  | 0.07 |
| Fisuc\_1490 | hypothetical protein |  |  | YES |  | Unique |
| Fisuc\_1494 | hypothetical protein |  |  | YES |  | Unique |
| Fisuc\_1510 | hypothetical protein |  |  | YES |  | Unique |
| Fisuc\_1515 | glycogen synthase |  | YES | YES | YES | 0.82 |
| Fisuc\_1519 | hypothetical protein | YES |  |  |  | Unique |
| Fisuc\_1523 | glycoside hydrolase family 5 | YES |  | YES | YES | 0.13 |
| Fisuc\_1525 | hypothetical protein |  |  | YES | YES | Unique |
| Fisuc\_1526 | hypothetical protein | YES |  | YES |  | 0.38 |
| Fisuc\_1527 | hypothetical protein | YES |  | YES |  | 0.38 |
| Fisuc\_1528 | hypothetical protein | YES |  | YES |  | 0.28 |
| Fisuc\_1529 | hypothetical protein | YES |  |  |  | Unique |
| Fisuc\_1530 | glycoside hydrolase family 18 | YES |  | YES | YES | 0.04 |
| Fisuc\_1531 | Cellulase |  | YES |  | YES | Unique |
| Fisuc\_1592 | OmpA/MotB domain protein | YES | YES | YES |  | 0.03 |
| Fisuc\_1595 | Phosphoglycerate mutase |  |  | YES |  | Unique |
| Fisuc\_1596 | Phosphoglycerate mutase |  |  | YES |  | Unique |
| Fisuc\_1597 | hypothetical protein | YES |  |  |  | Unique |
| Fisuc\_1627 | adenylosuccinate synthetase |  | YES | YES |  | 1.00 |
| Fisuc\_1632 | FG-GAP repeat protein | YES |  | YES |  | 0.32 |
| Fisuc\_1641 | hypothetical protein |  | YES |  | YES | Unique |
| Fisuc\_1649 | orotidine 5'-phosphate decarboxylase |  | YES |  |  | Unique |
| Fisuc\_1651 | hypothetical protein |  | YES |  |  | Unique |
| Fisuc\_1660 | hypothetical protein | YES |  | YES |  | 0.05 |
| Fisuc\_1747 | ribosomal protein L34 |  | YES |  |  | Unique |
| Fisuc\_1754 | two component regulator propeller domain protein | YES |  |  |  | Unique |
| Fisuc\_1757 | hypothetical protein |  |  | YES |  | Unique |
| Fisuc\_1761 | hypothetical protein |  |  | YES |  | Unique |
| Fisuc\_1762 | glycoside hydrolase family 43 |  | YES | YES | YES | 0.18 |
| Fisuc\_1763 | Carbohydrate binding family 6 |  |  | YES | YES | Unique |
| Fisuc\_1764 | Carbohydrate binding family 6 |  |  | YES | YES | Unique |
| Fisuc\_1765 | Glucuronoarabinoxylan endo-1,4-beta-xylanase |  |  | YES | YES | Unique |
| Fisuc\_1767 | Carbohydrate binding family 6 |  |  | YES | YES | Unique |
| Fisuc\_1773 | Alpha-galactosidase |  |  | YES | YES | Unique |
| Fisuc\_1788 | glycoside hydrolase family 2 TIM barrel |  |  | YES | YES | Unique |
| Fisuc\_1790 | Carbohydrate binding family 6 |  |  | YES | YES | Unique |
| Fisuc\_1791 | Carbohydrate binding family 6 | YES | YES | YES | YES | 0.51 |
| Fisuc\_1793 | Carbohydrate binding family 6 |  |  | YES | YES | Unique |
| Fisuc\_1802 | glycoside hydrolase family 8 | YES | YES | YES | YES | 0.02 |
| Fisuc\_1850 | ribosome recycling factor |  | YES | YES |  | 0.20 |
| Fisuc\_1859 | glycoside hydrolase family 9 | YES |  | YES | YES | 0.05 |
| Fisuc\_1860 | glycoside hydrolase family 9 |  |  | YES | YES | Unique |
| Fisuc\_1875 | hypothetical protein | YES |  | YES |  | 0.08 |
| Fisuc\_1877 | hypothetical protein | YES |  |  |  | Unique |
| Fisuc\_1891 | OmpA/MotB domain protein | YES | YES | YES |  | 0.05 |
| Fisuc\_1892 | TPR repeat-containing protein | YES | YES | YES |  | 0.03 |
| Fisuc\_1893 | TPR repeat-containing protein | YES | YES | YES |  | 0.04 |
| Fisuc\_1894 | MotA/TolQ/ExbB proton channel | YES |  |  |  | Unique |
| Fisuc\_1897 | TonB family protein |  | YES |  |  | Unique |
| Fisuc\_1898 | hypothetical protein | YES |  | YES |  | 0.08 |
| Fisuc\_1907 | Spore coat protein CotH | YES |  | YES |  | 0.05 |
| Fisuc\_1931 | Carbohydrate-binding CenC domain protein |  |  | YES | YES | Unique |
| Fisuc\_1965 | hypothetical protein |  |  | YES |  | Unique |
| Fisuc\_1974 | polysaccharide deacetylase |  |  | YES |  | Unique |
| Fisuc\_1979 | fibro-slime family protein | YES |  | YES |  | 0.05 |
| Fisuc\_1991 | Pectate lyase-like protein |  |  | YES | YES | Unique |
| Fisuc\_2011 | Cellulase |  |  | YES | YES | Unique |
| Fisuc\_2012 | hypothetical protein |  |  | YES | YES | Unique |
| Fisuc\_2015 | fatty acid/phospholipid synthesis protein PlsX |  | YES | YES |  | 0.04 |
| Fisuc\_2016 | 3-oxoacyl-(acyl-carrier-protein) reductase | YES | YES |  |  | 0.05 |
| Fisuc\_2017 | acyl carrier protein |  |  | YES |  | Unique |
| Fisuc\_2022 | hypothetical protein |  |  | YES |  | Unique |
| Fisuc\_2026 | hypothetical protein |  | YES |  |  | Unique |
| Fisuc\_2030 | aldo/keto reductase |  | YES |  |  | Unique |
| Fisuc\_2031 | fibro-slime family protein | YES | YES | YES |  | 0.03 |
| Fisuc\_2032 | pyruvate carboxyltransferase |  | YES | YES |  | 0.05 |
| Fisuc\_2033 | glycoside hydrolase family 9 |  |  | YES | YES | Unique |
| Fisuc\_2041 | hypothetical protein | YES | YES | YES |  | 0.03 |
| Fisuc\_2065 | glycoside hydrolase family 3 domain protein |  | YES |  | YES | Unique |
| Fisuc\_2068 | hypothetical protein | YES |  | YES |  | 0.07 |
| Fisuc\_2069 | hypothetical protein | YES |  | YES |  | 0.08 |
| Fisuc\_2071 | hypothetical protein |  |  | YES |  | Unique |
| Fisuc\_2111 | Phosphoglycerate mutase | YES |  | YES |  | 0.64 |
| Fisuc\_2120 | outer membrane protein assembly complex, YaeT protein | YES |  | YES |  | 0.10 |
| Fisuc\_2122 | geranylgeranyl reductase | YES |  |  |  | Unique |
| Fisuc\_2124 | hypothetical protein |  |  | YES |  | Unique |
| Fisuc\_2142 | GLUG domain protein |  |  | YES |  | Unique |
| Fisuc\_2144 | hypothetical protein |  |  | YES |  | Unique |
| Fisuc\_2145 | GLUG domain protein |  |  | YES |  | Unique |
| Fisuc\_2203 | hypothetical protein |  | YES |  |  | Unique |
| Fisuc\_2249 | hypothetical protein | YES | YES | YES |  | 0.04 |
| Fisuc\_2250 | O-Glycosyl hydrolase-like protein | YES |  | YES | YES | 0.05 |
| Fisuc\_2253 | Homoserine dehydrogenase |  |  | YES |  | Unique |
| Fisuc\_2255 | nicotinate-nucleotide pyrophosphorylase |  | YES | YES |  | 0.25 |
| Fisuc\_2261 | hypothetical protein | YES |  |  |  | Unique |
| Fisuc\_2262 | hypothetical protein | YES |  | YES |  | 0.04 |
| Fisuc\_2272 | hypothetical protein | YES |  | YES |  | 0.05 |
| Fisuc\_2276 | peptidase U62 modulator of DNA gyrase |  | YES |  |  | Unique |
| Fisuc\_2284 | hypothetical protein |  |  | YES |  | Unique |
| Fisuc\_2285 | hypothetical protein | YES |  |  |  | Unique |
| Fisuc\_2293 | fibro-slime family protein |  |  | YES |  | Unique |
| Fisuc\_2296 | translation initiation factor IF-2 | YES |  |  |  | Unique |
| Fisuc\_2308 | hypothetical protein | YES | YES | YES |  | 0.30 |
| Fisuc\_2314 | hypothetical protein | YES |  | YES |  | 0.82 |
| Fisuc\_2317 | endo-1,4-beta-glucanase/xyloglucanase, putative, gly74A | |  | YES | YES | Unique |
| Fisuc\_2318 | hypothetical protein |  |  | YES |  | Unique |
| Fisuc\_2326 | hypothetical protein | YES |  |  |  | Unique |
| Fisuc\_2358 | pyruvate carboxyltransferase |  | YES |  |  | Unique |
| Fisuc\_2362 | glycoside hydrolase family 9 | YES |  | YES | YES | 0.04 |
| Fisuc\_2363 | Pectate lyase/Amb allergen |  |  | YES | YES | Unique |
| Fisuc\_2364 | Cellulase | YES | YES | YES | YES | 0.03 |
| Fisuc\_2367 | preprotein translocase, SecG subunit |  | YES | YES |  | 0.10 |
| Fisuc\_2368 | triosephosphate isomerase | YES | YES | YES |  | 0.03 |
| Fisuc\_2370 | hypothetical protein | YES |  | YES |  | 0.64 |
| Fisuc\_2377 | Cadherin | YES |  | YES |  | 0.05 |
| Fisuc\_2378 | Cadherin | YES | YES | YES |  | 0.06 |
| Fisuc\_2380 | hypothetical protein | YES | YES |  |  | 0.49 |
| Fisuc\_2384 | putative seryl-tRNA synthetase (serine--tRNA ligase) (SerRS) | YES |  |  |  | Unique |
| Fisuc\_2388 | polyribonucleotide nucleotidyltransferase | YES | YES | YES |  | 0.03 |
| Fisuc\_2392 | D-isomer specific 2-hydroxyacid dehydrogenase NAD-binding protein | | YES | YES |  | 0.08 |
| Fisuc\_2395 | seryl-tRNA synthetase |  | YES |  |  | Unique |
| Fisuc\_2403 | ribosomal protein L19 | YES | YES |  |  | 0.04 |
| Fisuc\_2424 | glycoside hydrolase family 16 |  |  | YES | YES | Unique |
| Fisuc\_2439 | ribosomal 5S rRNA E-loop binding protein Ctc/L25/TL5 | YES | YES |  |  | 1.00 |
| Fisuc\_2442 | Endo-1,4-beta-xylanase |  |  | YES | YES | Unique |
| Fisuc\_2477 | Carbohydrate binding family 6 |  |  | YES | YES | Unique |
| Fisuc\_2478 | Carbohydrate binding family 6 |  |  | YES | YES | Unique |
| Fisuc\_2479 | lipolytic protein G-D-S-L family |  |  | YES | YES | Unique |
| Fisuc\_2482 | Glycine hydroxymethyltransferase | YES | YES | YES |  | 0.06 |
| Fisuc\_2491 | Nucleoside-diphosphate kinase |  |  | YES |  | Unique |
| Fisuc\_2492 | succinate dehydrogenase (or fumarate reductase) cytochrome b subunit, b558 family | YES |  |  |  | Unique |
| Fisuc\_2494 | 4Fe-4S ferredoxin iron-sulfur binding domain protein | YES |  |  |  | Unique |
| Fisuc\_2506 | hypothetical protein | YES |  | YES |  | 0.03 |
| Fisuc\_2509 | OmpA/MotB domain protein | YES |  | YES |  | 0.05 |
| Fisuc\_2524 | PDZ/DHR/GLGF domain protein |  |  | YES |  | Unique |
| Fisuc\_2533 | translation elongation factor P |  | YES |  |  | Unique |
| Fisuc\_2550 | hypothetical protein |  | YES |  |  | Unique |
| Fisuc\_2555 | hypothetical protein | YES | YES |  |  | 0.05 |
| Fisuc\_2556 | UDP-glucose 4-epimerase |  | YES |  |  | Unique |
| Fisuc\_2577 | protein of unknown function DUF323 | YES |  |  |  | Unique |
| Fisuc\_2579 | glycoside hydrolase family 8 | YES |  | YES | YES | 0.05 |
| Fisuc\_2591 | peptidase U62 modulator of DNA gyrase |  | YES |  |  | Unique |
| Fisuc\_2612 | hypothetical protein | YES | YES | YES |  | 0.20 |
| Fisuc\_2615 | malate dehydrogenase, NAD-dependent | YES | YES | YES |  | 0.05 |
| Fisuc\_2624 | Fibronectin type III domain protein | YES |  | YES |  | 0.05 |
| Fisuc\_2640 | adenylate kinase |  | YES | YES |  | 0.82 |
| Fisuc\_2644 | 3-isopropylmalate dehydrogenase |  | YES | YES |  | 0.27 |
| Fisuc\_2648 | DegT/DnrJ/EryC1/StrS aminotransferase |  | YES | YES |  | 0.18 |
| Fisuc\_2670 | conserved hypothetical peptidase | YES | YES | YES |  | 0.03 |
| Fisuc\_2704 | Glucosylceramidase | YES | YES |  | YES | 0.82 |
| Fisuc\_2716 | hypothetical protein |  | YES | YES |  | 0.25 |
| Fisuc\_2718 | hypothetical protein |  |  | YES |  | Unique |
| Fisuc\_2744 | Tetratricopeptide repeat protein |  |  | YES |  | Unique |
| Fisuc\_2746 | hypothetical protein |  |  | YES |  | Unique |
| Fisuc\_2752 | hypothetical protein |  |  | YES |  | Unique |
| Fisuc\_2754 | peptidylprolyl isomerase FKBP-type |  |  | YES |  | Unique |
| Fisuc\_2755 | hypothetical protein | YES |  | YES |  | 0.05 |
| Fisuc\_2762 | PpiC-type peptidyl-prolyl cis-trans isomerase | YES |  |  |  | Unique |
| Fisuc\_2764 | OmpA/MotB domain protein |  | YES |  |  | Unique |
| Fisuc\_2780 | hypothetical protein |  |  | YES |  | Unique |
| Fisuc\_2795 | hypothetical protein | YES | YES | YES |  | 0.03 |
| Fisuc\_2799 | putative avirulence protein |  |  | YES |  | Unique |
| Fisuc\_2803 | carboxyl transferase | YES |  |  |  | Unique |
| Fisuc\_2804 | malonyl CoA-acyl carrier protein transacylase |  | YES | YES |  | 1.00 |
| Fisuc\_2806 | Beta-ketoacyl synthase | YES | YES | YES |  | 0.06 |
| Fisuc\_2811 | Glu/Leu/Phe/Val dehydrogenase |  | YES | YES |  | 0.05 |
| Fisuc\_2816 | hypothetical protein |  | YES | YES |  | 0.83 |
| Fisuc\_2819 | Peptidylprolyl isomerase |  |  | YES |  | Unique |
| Fisuc\_2824 | Spore coat protein CotH |  |  | YES |  | Unique |
| Fisuc\_2833 | aspartyl-tRNA synthetase |  |  | YES |  | Unique |
| Fisuc\_2848 | methionyl-tRNA synthetase |  | YES |  |  | Unique |
| Fisuc\_2852 | nitroreductase |  | YES | YES |  | 0.07 |
| Fisuc\_2863 | hypothetical protein | YES | YES | YES |  | 0.06 |
| Fisuc\_2866 | glutamyl-tRNA(Gln) amidotransferase, B subunit |  | YES |  |  | Unique |
| Fisuc\_2868 | hypothetical protein |  |  | YES |  | Unique |
| Fisuc\_2872 | IMP cyclohydrolase |  | YES | YES |  | 0.04 |
| Fisuc\_2881 | pyruvate ferredoxin/flavodoxin oxidoreductase | YES | YES | YES |  | 0.06 |
| Fisuc\_2891 | fructose-1,6-bisphosphate aldolase, class II | YES | YES | YES |  | 0.03 |
| Fisuc\_2892 | OmpA/MotB domain protein | YES |  |  |  | Unique |
| Fisuc\_2893 | hypothetical protein | YES |  | YES |  | 0.03 |
| Fisuc\_2894 | hypothetical protein |  |  | YES |  | Unique |
| Fisuc\_2895 | hypothetical protein | YES |  |  |  | Unique |
| Fisuc\_2900 | cellodextrin-phosphorylase | YES | YES |  | YES | 0.05 |
| Fisuc\_2915 | hypothetical protein | YES |  | YES |  | 0.25 |
| Fisuc\_2917 | OmpA/MotB domain protein | YES | YES | YES |  | 0.03 |
| Fisuc\_2919 | O-Glycosyl hydrolase-like protein |  |  | YES | YES | Unique |
| Fisuc\_2922 | chaperone protein DnaK | YES | YES | YES |  | 0.06 |
| Fisuc\_2945 | hypothetical protein |  |  | YES |  | Unique |
| Fisuc\_2949 | Phosphoenolpyruvate carboxykinase (GTP) | YES | YES | YES |  | 0.03 |
| Fisuc\_2959 | NADPH-dependent FMN reductase |  | YES | YES |  | 0.03 |
| Fisuc\_2964 | aspartate-semialdehyde dehydrogenase | YES | YES | YES |  | 0.02 |
| Fisuc\_2966 | peptidase M29, aminopeptidase II |  |  | YES |  | Unique |
| Fisuc\_2971 | diphosphate/fructose-6-phosphate 1-phosphotransferase | YES | YES | YES |  | 0.04 |
| Fisuc\_2974 | PpiC-type peptidyl-prolyl cis-trans isomerase |  | YES |  |  | Unique |
| Fisuc\_2982 | hypothetical protein | YES |  | YES |  | 0.10 |
| Fisuc\_2986 | dihydrodipicolinate reductase |  | YES | YES |  | 0.05 |
| Fisuc\_2987 | Ankyrin | YES |  | YES |  | 0.18 |
| Fisuc\_3015 | hypothetical protein |  |  | YES |  | Unique |
| Fisuc\_3018 | hypothetical protein | YES |  | YES |  | 0.05 |
| Fisuc\_3028 | 3-oxoacyl-(acyl-carrier-protein) synthase 2 |  | YES |  |  | Unique |
| Fisuc\_3045 | pyridoxal-phosphate dependent TrpB-like enzyme | YES | YES | YES |  | 0.05 |
| Fisuc\_3047 | ribosomal protein L21 | YES |  |  |  | Unique |
| Fisuc\_3049 | Beta-galactosidase |  | YES |  | YES | Unique |
| Fisuc\_3050 | gamma-glutamyl phosphate reductase |  |  | YES |  | Unique |
| Fisuc\_3070 | 3-oxoacyl-(acyl-carrier-protein) synthase 2 | YES | YES | YES |  | 0.03 |
| Fisuc\_3090 | phosphoribosylformylglycinamidine synthase |  | YES | YES |  | 0.05 |
| Fisuc\_3095 | Beta-hydroxyacyl-(acyl-carrier-protein) dehydratase FabA/FabZ | | YES | YES |  | 0.12 |
| Fisuc\_3103 | 1,4-alpha-glucan branching enzyme |  |  | YES | YES | Unique |
| Fisuc\_3111 | Carbohydrate binding family 11 | YES | YES |  | YES | 0.05 |
| Fisuc\_3115 | amidohydrolase |  | YES |  |  | Unique |