Bin.1 medium generated from gapseq (31 compounds)

|  |  |  |
| --- | --- | --- |
| compounds | name | maxFlux |
| cpd00001 | H2O | 100 |
| cpd00971 | Sodium | 10 |
| cpd00205 | K+ | 10 |
| cpd00099 | Cl- | 10 |
| cpd10515 | Fe2+ | 10 |
| cpd10516 | Fe3+ | 0.1 |
| cpd00009 | Phosphate | 10 |
| cpd00149 | Cobalt | 10 |
| cpd00254 | Mg | 10 |
| cpd00244 | Nickel | 1 |
| cpd00048 | Sulfate | 10 |
| cpd00239 | H2S | 1 |
| cpd00034 | Zn2+ | 10 |
| cpd00058 | Cu2+ | 10 |
| cpd00030 | Mn2+ | 10 |
| cpd00063 | Ca2+ | 10 |
| cpd00013 | Ammonium | 10 |
| cpd00007 | O2 | 12.5 |
| cpd00027 | D-Glucose | 5 |
| cpd00082 | D-Fructose | 5 |
| cpd00119 | L-Histidine | 0.1 |
| cpd00054 | L-Serine | 0.1 |
| cpd00051 | L-Arginine | 0.1 |
| cpd00322 | L-Isoleucine | 0.1 |
| cpd00107 | L-Leucine | 0.1 |
| cpd00066 | L-Phenylalanine | 0.1 |
| cpd00129 | L-Proline | 0.1 |
| cpd00069 | L-Tyrosine | 0.1 |
| cpd00156 | L-Valine | 0.1 |
| cpd00644 | Pantothenic acid | 0.025 |
| cpd00305 | Thiamin | 0.025 |

Bin.2 medium generated from gapseq (38 compounds)

|  |  |  |
| --- | --- | --- |
| compounds | name | maxFlux |
| cpd00001 | H2O | 100 |
| cpd00971 | Sodium | 10 |
| cpd00205 | K+ | 10 |
| cpd00099 | Cl- | 10 |
| cpd10515 | Fe2+ | 10 |
| cpd10516 | Fe3+ | 0.1 |
| cpd00009 | Phosphate | 10 |
| cpd00149 | Cobalt | 10 |
| cpd00254 | Mg | 10 |
| cpd00244 | Nickel | 1 |
| cpd00048 | Sulfate | 10 |
| cpd00239 | H2S | 1 |
| cpd00034 | Zn2+ | 10 |
| cpd00058 | Cu2+ | 10 |
| cpd00030 | Mn2+ | 10 |
| cpd00063 | Ca2+ | 10 |
| cpd00013 | Ammonium | 10 |
| cpd00027 | D-Glucose | 5 |
| cpd00082 | D-Fructose | 5 |
| cpd00065 | L-Tryptophan | 0.1 |
| cpd00119 | L-Histidine | 0.1 |
| cpd00054 | L-Serine | 0.1 |
| cpd00051 | L-Arginine | 0.1 |
| cpd00132 | L-Asparagine | 0.1 |
| cpd00053 | L-Glutamine | 0.1 |
| cpd00216 | Chorismate | 0.1 |
| cpd00084 | L-Cysteine | 0.1 |
| cpd00322 | L-Isoleucine | 0.1 |
| cpd00107 | L-Leucine | 0.1 |
| cpd00039 | L-Lysine | 0.1 |
| cpd00060 | L-Methionine | 0.1 |
| cpd00066 | L-Phenylalanine | 0.1 |
| cpd00129 | L-Proline | 0.1 |
| cpd00161 | L-Threonine | 0.1 |
| cpd00069 | L-Tyrosine | 0.1 |
| cpd00156 | L-Valine | 0.1 |
| cpd00644 | Pantothenic acid | 0.025 |
| cpd00305 | Thiamin | 0.025 |