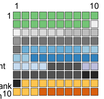
Each enzyme contains a grid of 100 boxes. Each box represents a single genome and is either colored based on the taxonomy of the organism, or is left blank if no gene is annotated for that reaction in that genome.

The order of the rows and columns is left-to-right top-to-bottom. If less than 100 genomes are used, then a number of boxes will always be blank towards the end. To the right is the color pattern if all genomes contained a particular reaction.



row	column	organism
1	1	ANME sp. GB37
1	2	ANME sp. GB60
1	3	ANME sp. GoMg1
1	4	ANME sp. GoMg2
1	5	ANME sp. GoMg3-2
1	6	ANME sp. GoMg4
1	7	ANME sp. SA
1	8	ANME-1 cluster archaeon ex4572-4
1	9	ANME sp. Agg-C03
1	10	ANME sp. CONS3730F072p2b1
2	1	ANME sp. CONS3730HDa2b1
2	2	ANME sp. CONS3730MDAH03UFb1
2	3	ANME sp. ER86
2	4	ANME sp. SCGC AAA252-L1B
2	5	ANME sp. CONS3730806UFb1
2	6	ANME sp. ER07
2	7	Methanosarcinales/anaerobic archaea GOM Arc I
2	8	ANME-1 cluster archaeon AG-394-G06
2	9	ANME-1 cluster archaeon AG-394-G21
2	10	Candidatus Syntrophoarchaeum butanivorans
3	1	Candidatus Syntrophoarchaeum caldarius
3	2	Methanotalea arctica
3	3	Methanoregula formicica
3	4	Methanosphaera stadtmanae DSM 3091
3	5	Methanothermobacter marburgensis str. Marburg
3	6	Methanothermus fervidus DSM 2088
3	7	Methanocaldococcus jannaschii DSM 2661
3	8	Methermicoccus formicicus Mc-S-70
3	9	Methanococcus maripaludis C5
3	10	Methermicoccus shengliensis JH1
4	1	Methanocella arvoryzae MRE50
4	2	Methanoparvum lavaricum DSM 4179
4	3	Methanoculleus marisnigri JR1
4	4	Methanofollis limnaticus DSM 4140
4	5	Methanolacinia petrolearia DSM 11571
4	6	Methanomicrobium mobile BP
4	7	Methanoplanus limicola DSM 2279
4	8	Methanolinea tarda NOBI-1
4	9	Methanogenium boonei DSM 22299
4	10	Methanosarcinales/methanogens E1-9c
5	1	Methanogenium frigidum JF-1
5	2	ANME sp. CONS7142G09b1
5	3	ANME sp. CONS7142H09b1
5	4	ANME sp. HMMV-459A3
5	5	ANME sp. HMMV-459B4
5	6	ANME sp. S7142M01
5	7	ANME sp. Wang
5	8	ANME sp. Agg-A10
5	9	ANME sp. CONS3730D10UFb2
5	10	ANME sp. CONS3730E010UFb2

row	column	organism
6	1	ANME sp. CONS3730F09p3b1
6	2	ANME sp. HR1
6	3	ANME sp. AMVER4-21
6	4	ANME sp. AMVER4-31
6	5	ANME sp. Agg-C10
6	6	ANME sp. COP1
6	7	ANME sp. COP2
6	8	ANME sp. E20
6	9	ANME sp. ERB4
6	10	ANME sp. HMMV-459B1
7	1	Candidatus Methanoperedens nitroreducens
7	2	Candidatus Methanoperedens sp. BLZ1
7	3	Methanosarcinales archaeon ex4484-138
7	4	Methanosarcinales archaeon ex4572-44
7	5	Methanosaeta concilii GP6
7	6	Methanosaeta harundinacea 6Ac
7	7	Methanosaeta sp. SS133M82
7	8	Methanosaeta thermophila PT
7	9	ANME sp. HMMV
7	10	ANME sp. HMMV2
8	1	Methanococcoides burtonii DSM 6242
8	2	Methanohalobium evestigatum Z-7303
8	3	Methanohalophilus mahii DSM 5219
8	4	Methanolobus psychrophilus R15
8	5	Methanomethylovorans hollandica DSM 15978
8	6	Methanosalsum zhilinae DSM 4017
8	7	Methanosarcina acetivorans C2A
8	8	Methermicoccus shengliensis DSM 18856
8	9	Candidatus Methanomethylophilus alvus Mx1201
8	10	Candidatus Methanomassiliicoccus intestinalis Issoire-Mx1
9	1	Methanomassiliicoccus luminyensis B10
9	2	Desulfitobacterium alkenivorans AK-01
9	3	Desulfatigans anilini DSM 4660
9	4	Desulfarculus baarsii DSM 2075
9	5	Desulfobacter curvatus DSM 3379
9	6	Desulfobacterium autotrophicum HRM2
9	7	Desulfobacula toluolica Tol2
9	8	Desulfococcus multivorans DSM 2059
9	9	Desulfomonile tiedjei str. Jadebusen
9	10	Desulfosarcina cetonica Mb1Pa
10	1	Desulfosarcina sp. Bu53
10	2	Desulfospira joergensenii DSM 10085
10	3	Desulfotignum phosphitoxidans DSM 13687
10	4	Desulfobacterales sp. C00003060
10	5	Desulfobacterales sp. C00003104
10	6	Desulfobacterales sp. C00003106
10	7	Desulfobacterales sp. CON23730E10p2b1
10	8	Desulfobacterales sp. CON5714Q20B62
10	9	Desulfobacterales sp. PC51MH44
10	10	Desulfobacterales sp. 9T086CLCb20