

Supplementary Data 3. Differentially Expressed Metabolites in *E. coli* O26:H11

Metabolite	EB 0 h – 0 kGy Control	EB 0 h – EB 24 h	0 kGy Control – EB 24 h	FDR	p value	-LOG10(p)
48608	*		*	0.0001	0.0000	6.3887
4-Hydroxybutyric acid	*	*		0.0005	0.0000	5.5033
2,4-Diaminobutyric acid	*		*	0.0016	0.0000	4.8192
Malonic acid	*		*	0.0018	0.0000	4.6315
2,3-Dihydroxybutanedioic acid	*		*	0.0031	0.0000	4.3122
Beta-alanine	*		*	0.0040	0.0001	4.0532
Glucose-6-phosphate		*	*	0.0040	0.0001	4.0328
2-Hydroxyhexanoic acid	*	*	*	0.0040	0.0001	3.9929
134760	*		*	0.0043	0.0001	3.9083
Glutaric acid		*	*	0.0049	0.0002	3.7753
N-acetylornithine	*		*	0.0049	0.0002	3.7218
Quinovose	*		*	0.0049	0.0002	3.6850
Xanthosine		*	*	0.0049	0.0002	3.6513
1702	*		*	0.0049	0.0002	3.6049
Indole-3-lactate		*	*	0.0049	0.0002	3.6048
Nicotinic acid		*	*	0.0049	0.0003	3.5996
Hydroxyphenyllactic acid		*	*	0.0054	0.0003	3.5364
3-Phenyllactic acid		*	*	0.0073	0.0004	3.3799
1799	*		*	0.0100	0.0006	3.2192
1996	*		*	0.0116	0.0007	3.1313
7403	*		*	0.0137	0.0009	3.0371
Glycolic acid	*		*	0.0137	0.0010	3.0076
4850	*		*	0.0137	0.0010	2.9996
4-Hydroxyphenylacetic acid		*	*	0.0137	0.0010	2.9791
1713	*		*	0.0184	0.0015	2.8331
1970	*		*	0.0197	0.0016	2.7869
18177	*	*		0.0207	0.0018	2.7490
Citraconic acid	*		*	0.0223	0.0020	2.7019
108309		*	*	0.0235	0.0023	2.6350
Indole-3-acetate		*	*	0.0235	0.0023	2.6332
Pinitol	*		*	0.0235	0.0025	2.6106
Succinic acid		*	*	0.0235	0.0025	2.6081
110131	*	*		0.0235	0.0025	2.6071
41989	*		*	0.0253	0.0027	2.5625
Cysteine	*		*	0.0258	0.0029	2.5417
31285		*	*	0.0263	0.0032	2.5008
5691		*	*	0.0263	0.0032	2.4983
5-Aminovaleric acid		*	*	0.0263	0.0032	2.4969
N-acetyl-D-galactosamine	*		*	0.0275	0.0035	2.4572
Fumaric acid		*	*	0.0275	0.0036	2.4461
124568	*		*	0.0275	0.0036	2.4432
Phenylpyruvate			*	0.0275	0.0037	2.4292

Ethanolamine		*	*	0.0275	0.0038	2.4183
Hypoxanthine		*	*	0.0275	0.0038	2.4146
Isoribose		*	*	0.0281	0.0041	2.3905
87282		*	*	0.0281	0.0041	2.3857
7408	*		*	0.0313	0.0047	2.3297
Alpha-ketoglutarate	*	*		0.0314	0.0048	2.3188
Pseudouridine		*	*	0.0341	0.0053	2.2743
Propanoic acid		*		0.0371	0.0060	2.2212
1760	*		*	0.0371	0.0060	2.2201
Oxalic acid	*		*	0.0380	0.0064	2.1936
4-Hydroxybenzoate		*	*	0.0380	0.0064	2.1928
Orotic acid	*		*	0.0384	0.0067	2.1767
Citramalic acid	*		*	0.0384	0.0069	2.1610
Inosine		*	*	0.0384	0.0069	2.1610
2-Ketoisocaproic acid	*		*	0.0384	0.0070	2.1572
Aspartic acid		*	*	0.0401	0.0074	2.1281
D-2-Hydroxyglutaric acid		*		0.0401	0.0075	2.1233
Thymine			*	0.0416	0.0080	2.0983
Cysteinylglycine	*		*	0.0416	0.0081	2.0927
32148		*	*	0.0468	0.0092	2.0344
2031	*		*	0.0471	0.0095	2.0245

*Metabolite has significantly different concentrations between groups