

Table S1: Mass spectral ions identified by Short-Column LCMS as occurring at significantly different concentrations in the urine of IL10^{-/-} and wild-type mice (P < 0.01, FDR adjusted P<0.05 unless otherwise stated). Ions in bold font are discussed.

	Negative ions (<i>m/z</i>)	Positive Ions (<i>m/z</i>)
Experiment 1	160, 204, 161, 131, 609, 233, 205. (FDR > 0.05: 453, 495, 308)	206 (P > 0.01: 497, 382)
Experiment 2	160, 453, 204, 205, 161, 231, 778, 116, 495, 425, 471, 188, 329, 456, 428, 107, 308, 245, 283, 187, 567, 284, 632, 645, 566, 872, 609, 633, 261, 568, 108, 499, 592, 874, 254, 457, 688, 779, 777, 833, 324, 501, 593, 502, 873, 710, 285, 689, 275, 206, 455, 496, 644, 348, 832, 667, 498, 631, 426, 277, 758, 806, 125, 246, 474, 500, 334, 861, 871, 472, 337, 497, 328, 408, 380, 186, 700, 711, 189, 439, 476, 712, 713, 401, 529, 424, 658, 199, 478, 200, 155, 423, 223, 281, 646, 250, 699, 470, 147, 858, 657, 708, 402, 660, 844, 293, 938, 687, 683, 131, 360, 807, 400, 857, 503, 477, 759, 648, 659, 336, 298, 668, 351, 936, 897, 860, 209, 757, 702, 991, 634, 252, 709, 618, 801, 395, 776, 647, 440, 418, 690, 615, 524, 262, 412, 812, 260, 952, 232, 353, 494, 617, 278, 986, 175, 933, 686, 403, 233, 804, 780, 939, 253, 656, 137, 299, 630, 684, 643, 875, 371, 356, 106, 727, 608, 512, 218, 274, 307, 526, 881, 661, 445, 396, 937, 475, 701, 859, 987, 264, 393, 541, 990, 856, 279, 417, 268, 994, 670, 383, 993, 300, 636, 669, 286, 916, 120, 927, 190, 349, 134, 174, 427, 805, 269, 164. (93 ion clusters with 48 clusters containing two or more ions)	382, 519, 151, 497, 236, 285, 252, 572, 234, 737, 263, 118, 514, 218

Table S2: Mass time identifiers (M(*m/z*)T(seconds)), fold changes and T and P values (corrected FDR 0.05) for top scoring metabolite ions obtained from UHPLC-MS analysis comparing urine samples from IL10^{-/-} and C57 mice irrespective of whether mice had been housed under SPF or conventional conditions. Negative T values indicate metabolites higher in IL10^{-/-} mice. Ions in bold font are discussed in the text.

Positive ions				Negative ions			
Mass time identifier	Fold change	T	P _{corr}	Mass time identifier	Fold change	T	P _{corr}
M206T94	2.39	-13.13	<9E-12	M249T94	2.27	-12.07	<5E-14
M207T94	2.17	-13.21	<9E-12	M251T94	2.12	-10.33	<5E-14
M208T94	1.55	-10.86	<9E-12	M380T82	1.99	9.78	<5E-14
M246T94	2.22	-10.61	<9E-12	M409T95	3.32	-10.56	<5E-14
M248T94	1.96	-11.04	<9E-12	M453T145	1.82	9.07	5.56E-14
M437T44	2.18	8.10	9.74E-12	M381T82	1.87	9.12	9.26E-14
M342T45	1.70	7.33	7.08E-10	M414T80	3.73	-9.22	2.65E-13
M245T96	1.49	-6.82	9.21E-09	M385T45	2.86	8.49	8.68E-13
M368T170	1.64	-5.99	8.50E-07	M321T145	1.94	7.59	9.75E-11
M179T93	1.22	5.34	1.15E-05	M613T94	3.25	-7.32	6.9E-10
M382T85	1.40	5.22	1.91E-05	M366T84	1.67	-7.20	1.18E-09
M383T85	1.41	5.17	2.27E-05	M436T93	2.27	-6.97	2.32E-09
M705T138	1.43	5.09	3.25E-05	M761T82	3.51	7.32	2.79E-09
M344T123	1.36	-4.78	1.13E-04	M287T54	1.49	6.77	7.21E-09
M316T123	1.36	-4.72	1.38E-04	M640T94	2.49	-6.66	1.03E-08
M706T138	1.40	4.67	1.67E-04	M602T143	2.17	6.29	1.02E-07
M404T68	1.50	-4.39	5.18E-04	M246T166	1.94	5.79	8.1E-07
M556T129	1.42	-4.28	6.95E-04	M703T138	1.48	5.67	1.52E-06
M374T142	1.37	-4.20	9.07E-04	M232T94	1.62	-5.77	1.56E-06
M423T111	1.46	-4.09	1.37E-03	M283T45	1.47	-5.54	2.59E-06

M304T87	1.39	-4.05	1.46E-03	M204T91	1.39	-5.48	3.38E-06
M528T233	1.74	4.02	1.60E-03	M278T93	1.80	-5.29	7.6E-06
M473T127	1.57	-3.99	1.74E-03	M300T160	1.41	-5.25	9.02E-06
M637T101	1.45	-3.96	1.83E-03	M277T93	1.90	-5.14	1.39E-05
M362T68	1.50	-3.92	2.10E-03	M469T137	1.47	5.10	1.62E-05
M181T92	1.20	3.85	2.52E-03	M231T93	1.84	-5.08	1.63E-05
M587T133	1.38	-3.84	2.58E-03	M244T70	1.65	4.95	2.72E-05
M274T175	1.39	-3.73	3.77E-03	M540T94	2.17	-4.97	3.31E-05
M230T124	1.32	-3.70	4.00E-03	M495T117	1.52	4.72	7.19E-05
M737T121	1.81	-3.63	5.21E-03	M205T91	1.30	-4.67	8.73E-05
M566T99	1.64	-3.55	6.78E-03	M233T93	1.57	-4.63	9.7E-05
M549T88	1.35	-3.50	0.0076	M290T166	1.35	4.57	0.0001
M632T102	1.51	-3.47	0.0079	M418T118	1.91	-4.56	0.0001
M591T122	1.28	-3.45	0.0081	M611T118	1.90	-4.50	0.0002
M600T105	1.29	-3.42	0.0088	M454T145	1.40	4.42	0.0002
M999T155	1.21	3.32	0.0119	M279T92	1.78	-4.38	0.0002
M625T46	1.36	-3.30	0.0126	M354T105	1.37	4.37	0.0002
M405T111	1.33	-3.29	0.0127	M612T118	1.65	-4.31	0.0003
M390T52	1.28	-3.28	0.0126	M263T87	1.53	-4.28	0.0003
M271T111	1.17	-3.27	0.0129	M254T78	1.65	-4.25	0.0004
M497T116	1.35	3.25	0.0136	M536T111	1.44	-4.25	0.0004
M460T112	1.30	-3.18	0.0166	M419T118	1.62	-4.24	0.0004
M249T162	1.38	-3.16	0.0174	M526T233	1.71	4.19	0.0005
M788T125	1.33	-3.15	0.0173	M382T79	1.29	4.02	0.0008
M474T102	1.34	-3.15	0.0172	M274T123	1.40	-4.02	0.0008
M619T116	1.35	-3.13	0.0180	M415T161	1.60	-3.98	0.0009
M248T162	1.36	-3.12	0.0178	M810T112	1.65	-3.97	0.0010
M226T121	1.28	-3.10	0.0186	M704T138	1.33	3.86	0.0014

M289T88	1.22	3.11	0.0182	M574T114	1.44	-3.84	0.0015
M283T52	1.16	-3.03	0.0223	M492T96	1.67	-3.83	0.0015
M850T140	1.28	3.03	0.0223	M627T113	1.40	-3.78	0.0018
M545T112	1.27	-3.01	0.0229	M480T92	1.48	-3.65	0.0029
M275T175	1.25	-3.00	0.0233	M343T137	1.29	3.56	0.0038
M178T62	1.26	3.00	0.0244	M809T112	1.67	-3.56	0.0037
M596T83	1.32	-2.96	0.0255	M292T174	1.32	3.54	0.0040
M461T110	1.22	-2.93	0.0273	M254T131	1.39	3.52	0.0044
M261T121	1.26	-2.91	0.0288	M470T111	1.27	3.44	0.0055
M582T105	1.25	-2.89	0.0303	M449T113	1.29	-3.43	0.0056
M285T45	1.17	-2.87	0.0309	M308T85	1.31	-3.32	0.0078
M389T50	1.22	-2.87	0.0309	M303T101	1.58	3.28	0.0089
M320T109	1.19	-2.86	0.0307	M222T63	1.51	3.29	0.0089
M360T108	1.22	-2.86	0.0307	M404T112	1.26	-3.22	0.0105
M393T104	1.22	-2.82	0.0339	M246T90	1.22	-3.17	0.0122
M381T90	1.27	-2.79	0.0357	M401T148	1.27	3.15	0.0128
M276T111	1.29	-2.78	0.0374	M392T126	1.27	-3.12	0.0139
M277T123	1.34	-2.77	0.0373	M596T53	1.29	-3.11	0.0139
M608T102	1.25	-2.74	0.0405	M288T63	1.36	-3.10	0.0143
M431T138	1.32	-2.73	0.0406	M340T90	1.39	3.10	0.0141
M387T116	1.34	-2.70	0.0443	M143T46	1.14	3.03	0.0171
M293T109	1.34	-2.69	0.0444	M412T91	1.65	-3.00	0.0187
				M256T112	1.47	2.95	0.0213
				M334T108	1.23	-2.92	0.0230
				M397T144	1.27	-2.91	0.0232
				M170T114	1.15	-2.85	0.0277
				M333T50	1.33	-2.83	0.0293
				M288T122	1.26	-2.82	0.0294

	M405T112	1.33	-2.82	0.0294
	M355T106	1.24	2.81	0.0296
	M353T63	2.09	2.83	0.0295
	M227T91	1.29	2.78	0.0320
	M217T86	1.19	-2.77	0.0319
	M433T127	1.36	-2.76	0.0331
	M511T117	1.25	-2.70	0.0385
	M236T142	1.18	2.70	0.0386
	M226T83	1.25	2.70	0.0385
	M389T93	1.85	-2.68	0.0400
	M209T130	1.53	2.65	0.0440
	M577T125	1.21	-2.62	0.0454
	M344T185	1.27	-2.61	0.0461
	M326T175	1.33	-2.60	0.0468
	M314T145	1.22	2.60	0.0469
	M299T156	1.26	-2.57	0.0502
	M163T75	1.15	-2.57	0.0498