

(A) Correlation coefficients

	H_mono_DM	H_mono_6h	H_mono_24h	H_co_DM
Day_1_DM	0.087904197	0.070739776	0.069954453	0.06677605
Day_1_Dose_10	0.078109962	0.060677544	0.064224337	0.0566813
Day_1_Dose_20	0.076089677	0.059660483	0.065722216	0.05635676
Day_1_Dose_40	0.091341527	0.075107882	0.07762809	0.07211229
Day_1_Dose_80	0.092780186	0.076306773	0.076137279	0.07439209
Day_7_DM	0.097427114	0.080481521	0.081129593	0.0745318
Day_7_Dose_10	0.091975049	0.074527239	0.07635577	0.06903873
Day_7_Dose_20	0.081359143	0.06287197	0.06794031	0.05754965
Day_7_Dose_40	0.085835198	0.068600473	0.072001767	0.06258229
Day_7_Dose_80	0.08127288	0.06441675	0.068739052	0.05898947
Day_28_DM	0.099139384	0.081522918	0.079742533	0.079577
Day_28_Dose_10	0.089583478	0.071993659	0.071401701	0.06942776
Day_28_Dose_20	0.089268604	0.07122152	0.071626261	0.06924311
Day_28_Dose_40	0.09662799	0.079376694	0.079100702	0.0753618
Day_28_Dose_80	0.087131707	0.068544693	0.070033224	0.06633641
Day_56_DM	0.105819247	0.088717145	0.083704979	0.08476265
Day_56_Dose_10	0.093547596	0.075985798	0.072974688	0.07306001
Day_56_Dose_20	0.101975714	0.085881042	0.082414446	0.08295246
Day_56_Dose_40	0.096713769	0.07995317	0.077028244	0.07723037
Day_56_Dose_80	0.086322433	0.069619532	0.068495278	0.0653804

(B) Number of matched genes between human and mouse genomes used for correlation analysis

	H_mono_DM	H_mono_6h	H_mono_24h	H_co_DM
Day_1_DM	13602	14040	13025	13219
Day_1_Dose_10	13475	13890	12914	13112
Day_1_Dose_20	13559	13990	12990	13183
Day_1_Dose_40	13600	14037	13023	13216
Day_1_Dose_80	13603	14043	13026	13220
Day_7_DM	13597	14036	13021	13216
Day_7_Dose_10	13573	14010	12999	13199
Day_7_Dose_20	13601	14039	13024	13218
Day_7_Dose_40	13595	14035	13020	13214
Day_7_Dose_80	13603	14043	13026	13220
Day_28_DM	13585	14019	13013	13205
Day_28_Dose_10	13603	14042	13026	13220
Day_28_Dose_20	13598	14037	13021	13215
Day_28_Dose_40	13581	14014	13008	13202
Day_28_Dose_80	13450	13849	12893	13084
Day_56_DM	13584	14021	13010	13207
Day_56_Dose_10	13535	13962	12972	13169
Day_56_Dose_20	13602	14042	13025	13219
Day_56_Dose_40	13603	14043	13026	13220
Day_56_Dose_80	13414	13814	12861	13065

(C) Correlations significant by statistical testing (red)

	H_mono_DM	H_mono_6h	H_mono_24h	H_co_DM
Day_1_DM	0	0	1.33E-15	2.29E-08
Day_1_Dose_10	0	8.24E-13	2.77E-13	8.98E-10
Day_1_Dose_20	0	1.64E-12	6.48E-14	2.09E-06
Day_1_Dose_40	0	0	0	2.92E-07
Day_1_Dose_80	0	0	0	1.14E-06
Day_7_DM	0	0	0	2.60E-07
Day_7_Dose_10	0	0	0	1.96E-07
Day_7_Dose_20	0	8.90E-14	8.44E-15	1.31E-08
Day_7_Dose_40	0	4.44E-16	2.22E-16	7.84E-10
Day_7_Dose_80	0	2.15E-14	4.00E-15	3.73E-08
Day_28_DM	0	0	0	4.52E-06
Day_28_Dose_10	0	0	4.44E-16	2.23E-07
Day_28_Dose_20	0	0	2.22E-16	5.19E-07
Day_28_Dose_40	0	0	0	1.25E-06
Day_28_Dose_80	0	6.66E-16	1.78E-15	3.38E-06
Day_56_DM	0	0	0	1.01E-06
Day_56_Dose_10	0	0	0	3.78E-07
Day_56_Dose_20	0	0	0	7.67E-06
Day_56_Dose_40	0	0	0	2.37E-07
Day_56_Dose_80	0	2.22E-16	7.55E-15	8.55E-08

(D) Correlations significant by multiple hypothesis testing (blue)

	H_mono_DM	H_mono_6h	H_mono_24h	H_co_DM
Day_1_DM	0	0	2.10E-13	3.05E-06
Day_1_Dose_10	0	1.20E-10	4.07E-11	1.24E-07
Day_1_Dose_20	0	2.36E-10	9.66E-12	0.00022935
Day_1_Dose_40	0	0	0	3.59E-05
Day_1_Dose_80	0	0	0	0.00013075
Day_7_DM	0	0	0	3.25E-05
Day_7_Dose_10	0	0	0	2.52E-05
Day_7_Dose_20	0	1.32E-11	1.28E-12	1.75E-06
Day_7_Dose_40	0	7.19E-14	3.66E-14	1.09E-07
Day_7_Dose_80	0	3.25E-12	6.20E-13	4.93E-06
Day_28_DM	0	0	0	0.00048343
Day_28_Dose_10	0	0	7.19E-14	2.85E-05
Day_28_Dose_20	0	0	3.66E-14	6.13E-05
Day_28_Dose_40	0	0	0	0.00014088
Day_28_Dose_80	0	1.07E-13	2.79E-13	0.00036828
Day_56_DM	0	0	0	0.00011661
Day_56_Dose_10	0	0	0	4.58E-05
Day_56_Dose_20	0	0	0	0.00081348
Day_56_Dose_40	0	0	0	3.01E-05
Day_56_Dose_80	0	3.66E-14	1.16E-12	1.12E-05

H_co_6h	H_co_24h	S_mono_DM	S_mono_6h	S_mono_24h	S_co_DM	S_co_6h
0.089826363	0.025901913	-0.048580486	-0.020954151	-0.014134671	-0.044399	0.0136596
0.0812584	0.017948787	-0.053470924	-0.030290179	-0.0230521	-0.051736	0.0063674
0.079405235	0.019104781	-0.041312866	-0.023264578	-0.015853398	-0.043435	0.0114513
0.093692583	0.028133354	-0.044592177	-0.023716728	-0.01456726	-0.043177	0.0103972
0.095990686	0.027243667	-0.042308838	-0.023980578	-0.015029038	-0.041942	0.0125185
0.097006112	0.027713738	-0.044782142	-0.012898772	-0.007807084	-0.038804	0.0227491
0.090872078	0.025491069	-0.045273096	-0.01605625	-0.012548844	-0.040891	0.021473
0.082927421	0.019291611	-0.049425122	-0.025010041	-0.022337323	-0.0503	0.0177148
0.08822163	0.024069266	-0.053451009	-0.025786123	-0.022886865	-0.051796	0.0176558
0.084047148	0.023807146	-0.047839468	-0.025986729	-0.024215489	-0.050443	0.0167631
0.099437784	0.037693211	-0.039896395	-0.012591131	-0.003863747	-0.035926	0.0195695
0.090607676	0.029906764	-0.045028801	-0.019990634	-0.013149532	-0.04299	0.0139962
0.090377697	0.029355653	-0.043643839	-0.020837143	-0.01249714	-0.042336	0.0125989
0.097885929	0.035229183	-0.042178997	-0.016645046	-0.009858269	-0.040517	0.0193379
0.087897831	0.02676731	-0.040607211	-0.018543601	-0.01107506	-0.040885	0.017463
0.104610646	0.035692426	-0.04254076	-0.009886116	-0.001227899	-0.034392	0.0204588
0.089976125	0.024044212	-0.04424674	-0.014431586	-0.0067202	-0.037232	0.0132828
0.0974267	0.034232232	-0.038902769	-0.008926984	-0.000538795	-0.032515	0.0147697
0.094475073	0.028538307	-0.044927898	-0.013337615	-0.00521621	-0.037006	0.0157515
0.085578899	0.019215242	-0.046829984	-0.022593787	-0.015693487	-0.042756	0.01447

H_co_6h	H_co_24h	S_mono_DM	S_mono_6h	S_mono_24h	S_co_DM	S_co_6h
13241	13494	14445	14457	13390	14149	13941
13128	13371	14265	14276	13266	13979	13786
13208	13453	14387	14399	13351	14097	13893
13238	13491	14441	14453	13387	14145	13938
13242	13495	14448	14460	13391	14150	13942
13239	13492	14439	14451	13387	14141	13935
13219	13471	14412	14423	13365	14118	13911
13240	13493	14444	14456	13389	14147	13939
13237	13489	14438	14450	13384	14139	13933
13242	13495	14448	14460	13391	14150	13942
13227	13477	14421	14434	13373	14125	13919
13242	13495	14447	14458	13390	14150	13942
13237	13489	14442	14454	13386	14144	13936
13224	13475	14417	14429	13370	14121	13916
13110	13350	14221	14228	13236	13937	13752
13230	13481	14424	14436	13377	14128	13922
13188	13432	14355	14365	13329	14065	13865
13241	13494	14447	14459	13390	14149	13941
13242	13495	14448	14460	13391	14150	13942
13083	13315	14178	14191	13209	13903	13711

H_co_6h	H_co_24h	S_mono_DM	S_mono_6h	S_mono_24h	S_co_DM	S_co_6h	
0.015899181	0.100617924	8.88E-16		0	0.002722331	1.27E-07	0.1067983
0.00051845	0.007683065	1.25E-11		0	0.038707843	9.33E-10	0.4547267
0.007499378	0.065954339	1.34E-11		0	0.027280135	2.48E-07	0.1771202
0.006354789	0.090659067	0		0	0.001132202	2.79E-07	0.2196696
0.005785894	0.080840511	0		0	0.001616494	6.01E-07	0.1393903
0.137791588	0.364532561	0		0	0.001341937	3.92E-06	0.0072408
0.064893037	0.145282304	0		0	0.00320716	1.17E-06	0.0113191
0.004002512	0.009465347	4.46E-12		0	0.025598583	2.15E-09	0.0364875
0.003007578	0.00785519	5.22E-14		0	0.005357753	7.16E-10	0.0371573
0.002784148	0.004904864	1.28E-12		0	0.005867706	1.93E-09	0.0477843
0.147614217	0.653789251	0		0	1.30E-05	1.95E-05	0.0209544
0.021424851	0.126641902	0		0	0.000537938	3.12E-07	0.0984225
0.016512236	0.146677713	0		0	0.000681783	4.73E-07	0.1369529
0.055612551	0.25250423	0		0	4.61E-05	1.46E-06	0.022535
0.033736919	0.200701262	2.44E-15		0	0.002071525	1.38E-06	0.040576
0.255522149	0.886641308	0		0	3.64E-05	4.34E-05	0.0157786
0.097471295	0.436106942	0		0	0.00550193	1.00E-05	0.1178223
0.30435102	0.950098867	0		0	7.43E-05	0.0001096	0.0811883
0.124849022	0.544578148	0		0	0.000957237	1.07E-05	0.0629094
0.00975538	0.070168249	6.66E-15		0	0.027215662	4.58E-07	0.0902122

H_co_6h	H_co_24h	S_mono_DM	S_mono_6h	S_mono_24h	S_co_DM	S_co_6h	
	1	1	1.41E-13	0	0.239565111	1.65E-05	1
0.049771176	0.568546809	1.77E-09		0	1	1.28E-07	1
0.562453379		1	1.89E-09	0	1	3.13E-05	1
0.489318724		1	0	0	0.104162627	3.46E-05	1
0.457085664		1	0	0	0.145484442	7.03E-05	1
	1	1	0	0	0.122116237	0.0004229	0.5502982
	1	1	0	0	0.272608565	0.0001336	0.7923362
0.336210982	0.681504988	6.38E-10		0	1	2.90E-07	1
0.258651677	0.573428844	7.83E-12		0	0.43397802	1.00E-07	1
0.242220852	0.402198835	1.86E-10		0	0.45768108	2.62E-07	1
	1	1	0	0	0.001339347	0.0019869	1
	1	1	0	0	0.051104149	3.81E-05	1
	1	1	0	0	0.064087641	5.63E-05	1
	1	1	0	0	0.004567395	0.0001624	1
	1	1	3.81E-13	0	0.184365718	0.0001542	1
	1	1	0	0	0.003678608	0.0043365	1
	1	1	0	0	0.440154423	0.0010524	1
	1	1	0	0	0.007284421	0.0106303	1
	1	1	0	0	0.089023081	0.0011099	1
0.692631997		1	1.03E-12	0	1	5.49E-05	1

S_co_24h

-0.01681
-0.02477
-0.0188
-0.01733
-0.01636
-0.00949
-0.01189
-0.01994
-0.02028
-0.02118
-0.00624
-0.01429
-0.0149
-0.00991
-0.01199
-0.00569
-0.01341
-0.00868
-0.01069
-0.01783

S_co_24h

13568
13426
13524
13565
13569
13562
13539
13566
13560
13569
13548
13569
13564
13545
13401
13552
13499
13568
13569
13361

S_co_24h

0.050166

0.004106

0.028756

0.043576

0.056624

0.268885

0.166528

0.020184

0.018187

0.013621

0.467535

0.095985

0.082645

0.248899

0.165097

0.50807

0.119132

0.31224

0.213004

0.039317

S_co_24h

1

0.340807

1

1

1

1

1

1

1

0.939825

1

1

1

1

1

1

1

1

1

1