

**Supplementary Table 2: Raw Intensities of Individual Differentially Regulated Probe Sets**

Animal	Strain	Age (Week)	1399073_at	1398679_at	1398635_at	1398528_at	1398288_at	1397745_at	1397206_at
DD81	GK	4	67.42693	87.195786	30.906158	17.425182	28.594278	22.321497	12.806757
DD84	GK	4	66.22561	87.0731	43.350704	1.6908573	40.46775	26.391876	18.725096
DD85	GK	4	72.965675	95.64581	62.58369	10.110637	42.91979	28.379982	16.58228
DD86	GK	4	81.70421	75.5523	54.96264	10.024694	46.9409	23.465801	15.126225
DD83	GK	4	60.764347	82.36093	35.989037	16.819984	30.724924	26.242432	12.143516
DD41	GK	8	38.11654	96.8428	23.641844	15.523216	9.604649	36.090538	19.01444
DD42	GK	8	66.49188	108.18569	22.993732	14.976913	7.324113	40.875645	12.695267
DD43	GK	8	105.08848	91.171074	38.10065	13.295752	4.413964	9.410747	9.072065
DD44	GK	8	161.21977	97.19274	29.36016	13.841136	2.2723324	27.201004	17.008415
DD87	GK	8	37.41596	91.97231	38.586365	7.729994	2.915616	28.970444	14.482489
DD2	GK	12	106.65292	83.82889	37.68516	20.264214	2.1167133	17.823217	17.188503
DD3	GK	12	77.57884	82.067795	34.043602	20.943645	1.0543435	27.321905	31.447695
DD89	GK	12	105.96456	137.273	17.377836	19.196688	2.699442	46.49161	36.989555
DD90	GK	12	83.972336	84.380905	10.011382	25.830236	5.7969365	23.391888	24.332264
DD4	GK	12	82.7015	98.04837	30.551025	14.519503	8.586781	30.174011	22.679253
DD47	GK	16	112.75828	144.1466	18.872755	18.415888	8.086778	20.984941	19.101377
DD48	GK	16	172.45164	86.21761	29.044909	9.945622	1.5806581	13.034037	15.357107
DD49	GK	16	17.769886	101.57993	24.008131	19.87701	0.6570257	24.760902	13.232408
DD50	GK	16	119.08145	117.83061	19.635834	16.22007	1.4207221	14.586419	19.098614
DD46	GK	16	98.45543	104.12015	44.921684	7.177819	2.5962586	30.927368	25.909678
DD6	GK	20	39.165676	112.91206	41.11056	11.611044	2.4479222	22.31768	19.326122
DD7	GK	20	59.50902	100.44299	31.322458	17.766605	2.0638938	21.686033	20.601034
DD8	GK	20	61.173527	127.50122	28.05204	18.764814	5.1410728	31.060577	26.43006
DD5	GK	20	94.652626	93.38649	23.473679	16.77607	1.7186588	17.973978	3.6226149
DD9	GK	20	52.316853	122.33816	6.5848484	12.669677	1.2078724	20.0981	7.8317275
DD103	WKY	4	147.51042	31.913996	16.975119	100.63209	51.56688	21.31395	47.17163
DD101	WKY	4	263.30408	73.42065	30.585852	148.75871	69.205894	30.617449	36.499397
DD102	WKY	4	296.0494	50.687218	36.139103	92.15419	54.141266	50.861298	42.9115
DD105	WKY	4	243.75357	26.531979	26.956432	93.167694	83.59216	42.335697	24.235188
DD106	WKY	4	216.94447	48.7761	17.238508	186.96585	53.51284	51.530724	41.380585
DD62	WKY	8	271.9045	33.202557	26.950594	70.926056	2.4453845	10.201337	19.366009
DD64	WKY	8	253.95317	67.14714	35.18336	162.18768	1.4824898	5.0994005	33.565483
DD107	WKY	8	291.4992	28.837856	25.998455	117.49132	2.0247989	6.7800565	33.393913
DD108	WKY	8	250.32307	65.280365	21.110605	101.56343	3.8369765	45.972916	22.101997
DD63	WKY	8	281.98193	70.247284	15.661866	145.63788	2.3652806	22.95273	34.615707
DD23	WKY	12	255.82751	31.3903	11.136437	72.777824	7.054502	9.642868	37.4397
DD24	WKY	12	289.38394	102.56899	34.705788	66.14475	4.923071	20.671032	45.100147
DD110	WKY	12	362.32162	90.278465	26.990984	141.04988	3.8781633	15.255988	25.968643
DD22	WKY	12	376.28592	75.48833	29.050804	115.33852	7.430008	16.623842	34.635834
DD109	WKY	12	331.97827	35.821438	3.2546513	124.06043	10.53319	6.9062824	10.52355
DD65	WKY	16	155.5164	42.425285	2.3384516	110.2046	1.5856096	37.34442	48.56904
DD66	WKY	16	375.1284	66.94799	13.31072	72.72965	12.124651	16.479443	39.002148
DD67	WKY	16	245.14577	50.111202	35.25795	225.55566	1.9981772	15.74476	22.708614
DD69	WKY	16	315.176	56.0084	22.77519	64.559685	11.374878	22.108946	34.352104
DD68	WKY	16	278.54022	31.693478	13.111751	69.42923	0.9834402	17.78554	20.714762
DD25	WKY	20	392.2973	64.784966	5.7852764	72.98339	14.399579	1.1254643	45.817318
DD28	WKY	20	353.868	40.09923	2.631998	55.275597	7.407349	8.009956	32.27723
DD29	WKY	20	325.08884	160.79149	12.284837	77.41286	7.370353	2.1570601	15.587879
DD27	WKY	20	474.88675	59.667385	30.013983	15.953496	6.9641967	13.192168	60.362473
DD30	WKY	20	136.8299	70.08955	15.358776	100.85127	2.592665	21.392704	22.787758

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Animal	1397153_at	1396877_at	1396743_at	1396714_at	1396327_at	1396240_at	1396184_at	1396073_at	1396067_at
DD81	5.0516005	24.65262	211.06029	82.26033	21.203753	2.075555	17.033102	38.04888	20.38511
DD84	6.7310386	18.583462	151.7906	75.52245	12.414582	30.057987	43.663277	49.583267	49.091393
DD85	34.894794	23.233053	117.05476	69.861015	24.63077	20.63209	18.753555	31.612148	46.62122
DD86	30.510984	29.86371	95.86881	59.923992	17.148296	31.764538	46.449696	46.675045	57.32673
DD83	29.63837	16.782951	112.01421	56.74882	14.322537	13.930972	13.278901	48.515495	38.27154
DD41	18.689623	60.847797	126.6278	62.96858	10.837729	30.209288	28.839376	55.242947	42.61003
DD42	29.202784	63.522507	123.24148	50.464336	27.82046	18.896667	12.004229	44.536434	44.225586
DD43	22.969755	52.010918	96.968735	67.73018	18.09527	19.755226	23.05166	46.209373	22.337032
DD44	32.817257	27.862026	79.51162	53.213573	19.048048	10.957277	18.315935	52.405586	38.513115
DD87	28.172052	57.61858	121.91332	64.183075	28.916824	38.804783	15.360169	61.36822	30.840183
DD2	26.15979	50.790512	119.34836	63.06359	4.061727	18.266329	34.146202	69.40233	24.648726
DD3	36.49221	46.935238	114.98446	79.68905	18.540516	16.31798	15.947175	63.386414	21.738792
DD89	22.073938	89.84018	136.13953	69.6333	14.88282	5.9855223	14.146643	78.233154	38.817043
DD90	18.278154	63.04025	150.72415	65.65256	14.160899	6.4665647	15.619199	90.07235	42.18376
DD4	32.02389	46.40596	142.63864	63.7025	17.98658	18.97936	17.777752	78.59096	25.704023
DD47	20.973078	40.972866	105.95252	48.322975	19.841717	13.272226	20.155535	66.14135	30.528292
DD48	12.160273	46.21361	101.16055	49.618607	20.43248	4.0290933	4.584878	33.718357	31.350832
DD49	33.354492	37.1837	216.76749	61.026665	21.316158	16.410727	4.5542197	54.72935	18.17209
DD50	23.060736	89.3954	126.86567	59.8319	16.462896	14.923892	26.881351	61.766777	34.673573
DD46	23.58517	66.12524	156.71425	86.21392	9.471477	5.1110296	19.579273	81.72215	23.111498
DD6	15.314143	47.015827	182.75108	51.990154	22.853657	13.526167	7.7006	81.03161	25.729332
DD7	9.590906	48.762207	174.77141	74.400116	15.933983	16.707092	15.443887	62.89924	29.612478
DD8	21.043425	44.77207	219.64465	64.04537	30.08223	22.026033	12.480494	54.418636	33.155804
DD5	18.433397	40.59211	105.44923	73.84283	16.499935	5.079547	3.5016098	66.193275	33.29873
DD9	27.67312	40.72784	214.22025	68.456024	14.719964	24.32327	13.315272	50.012844	44.595615
DD103	51.399097	86.89073	99.508736	11.0584	56.583805	74.47848	17.704943	23.885145	11.247506
DD101	44.101963	233.6411	79.49521	7.1057606	41.387695	70.61531	30.668594	33.502823	12.711141
DD102	63.413265	117.87876	94.94135	17.998905	47.34752	37.681095	25.440058	43.963287	21.010347
DD105	53.878143	279.97266	36.093243	12.003377	44.6265	34.04184	24.20956	62.996025	6.3164763
DD106	46.51902	444.22156	33.169765	19.794273	27.213825	81.556496	23.712471	42.026314	27.23005
DD62	31.313257	165.94557	17.3598	3.761404	64.90487	55.832863	62.8032	32.825504	16.125498
DD64	62.431084	43.650887	67.761986	32.790314	50.670635	82.06354	74.5162	36.534958	17.951683
DD107	32.44151	121.16015	26.246403	6.717003	5.366942	46.55123	73.54358	29.939083	16.074564
DD108	26.911388	248.35602	15.464461	9.662288	41.137314	38.067696	83.24711	47.84099	12.787888
DD63	56.333794	37.3889	96.22854	1.5843756	39.722057	57.459408	108.6917	36.62789	16.298065
DD23	37.049294	261.77872	34.167614	7.220358	17.202803	24.756367	50.75029	44.172344	24.896313
DD24	61.21629	219.42982	24.37022	1.4501044	38.92981	49.53275	60.995564	53.558113	31.844213
DD110	41.34727	169.53279	14.974826	14.327337	44.974777	63.433323	84.3129	29.244513	7.9608955
DD22	54.60804	130.27052	93.26833	3.8139336	52.019485	91.12215	107.82841	28.266636	8.821439
DD109	41.267075	198.52464	46.368526	3.270836	19.04961	4.8933105	55.507225	19.012596	21.372318
DD65	42.108887	387.10022	157.65825	4.0961156	29.340485	88.34841	80.8158	17.116508	17.722801
DD66	47.110912	182.7301	31.444168	82.0881	44.586597	72.17932	53.998672	28.063711	10.431836
DD67	37.001163	298.68176	152.72244	8.192531	16.62854	27.962402	49.14875	4.9183674	14.409362
DD69	52.089603	58.798435	80.946434	29.969337	26.852728	43.12077	72.1353	36.839622	16.362679
DD68	50.357586	263.9042	35.950886	35.14921	50.259846	24.708305	91.551346	58.696682	14.823453
DD25	37.185284	198.69176	25.665327	3.529482	27.631567	32.58626	66.2517	6.3376737	4.577872
DD28	38.1124	177.6432	82.011894	41.311222	58.89491	14.176441	48.78262	8.58662	33.301846
DD29	35.42472	172.15321	138.36133	4.9859853	17.186197	19.329996	94.37955	9.737295	14.125639
DD27	59.289036	306.78067	134.42352	27.33017	53.252316	85.843925	56.2565	4.9247165	15.702377
DD30	36.39711	295.51938	47.14309	31.601763	76.68725	22.763887	79.78814	18.388493	13.734511

## Cont'd Supplementary Table 2

Animal	1395981_at	1395829_at	1395795_at	1395762_at	1395680_at	1395566_at	1395523_at	1395361_at	1395337_at
DD81	2.203266	1.8269073	9.274285	12.278062	65.86051	0.8199034	164.2727	22.729881	14.485426
DD84	6.3347254	1.5508972	9.454734	4.557527	94.82144	8.532422	147.32158	18.483864	20.725437
DD85	1.1950076	1.6051519	2.9355016	14.51042	86.54128	19.872576	129.97182	31.667612	15.010195
DD86	8.693118	1.5179667	12.8309	14.489575	92.52732	23.17613	151.0954	16.064669	18.21337
DD83	13.271812	2.0511777	13.985598	7.5496125	71.26616	22.279926	159.0547	6.927623	4.822428
DD41	24.195892	2.7154381	40.30356	7.8543377	103.94353	19.251078	124.06287	21.930864	28.88569
DD42	12.000441	1.5715784	25.131178	39.909344	74.67004	25.852728	122.83896	30.804403	21.580273
DD43	5.16831	1.0444223	19.84161	4.524307	86.207695	30.029657	171.52722	26.42646	24.683823
DD44	11.023156	2.1296046	21.297365	8.85551	95.17148	18.493153	173.69876	12.506323	34.936726
DD87	9.973734	7.406774	34.980827	19.748022	100.50987	26.390554	144.28947	26.14873	33.082794
DD2	7.3019714	3.3458443	23.730791	8.285062	92.39132	25.511099	111.2674	37.360195	2.9363532
DD3	18.91609	1.4513463	23.035234	19.629961	96.03424	40.037937	127.98648	47.244385	3.0938673
DD89	7.6658964	1.4473681	60.52827	35.269962	134.13626	23.5234	163.5003	61.878036	3.9278061
DD90	17.555859	11.885716	44.403484	38.871902	117.77433	31.647429	129.62207	63.036144	3.5063322
DD4	16.650518	3.2381275	41.72656	36.776184	147.18459	21.054356	159.36412	48.412613	3.7440858
DD47	11.682221	1.4029304	31.844995	11.35289	158.82993	16.285164	164.85356	39.938	3.3556523
DD48	0.7832794	4.9002733	24.957928	3.4826703	94.44469	21.927134	193.58897	33.59274	38.72592
DD49	9.481662	3.2198727	37.669956	33.24738	173.79672	23.240366	140.01735	53.604218	4.9066525
DD50	2.3146207	6.06583	20.607641	7.3420653	149.85756	8.739507	121.73715	44.027527	20.473478
DD46	13.95806	5.001299	38.745937	30.369675	130.2219	25.564047	144.33432	63.253654	19.059986
DD6	6.1937175	3.859174	23.317326	18.943308	180.07901	16.194622	149.54883	64.38182	3.531393
DD7	3.8369787	2.8591688	36.52658	15.509357	189.66827	7.822133	137.44495	44.106506	3.398112
DD8	1.2763755	1.9912056	20.404613	16.97894	185.53514	26.868252	127.67091	46.535984	11.771722
DD5	7.8231936	1.8572876	14.589482	14.518635	128.53453	14.983743	150.21983	24.868774	27.546852
DD9	1.2028601	3.7110994	34.66747	10.003799	164.72112	11.3934	127.28198	42.231445	1.3788458
DD103	6.571537	29.767927	14.14656	87.81659	12.775303	51.278152	70.45991	6.9198494	27.681147
DD101	13.507467	33.037464	17.622057	53.262115	43.107067	42.25223	184.04137	21.155708	61.471954
DD102	7.415201	34.44537	17.11593	106.99987	39.85057	60.491596	83.44613	1.7189397	68.44997
DD105	15.076356	17.292776	3.116789	76.20082	41.11495	52.469334	66.69443	16.360975	39.668713
DD106	11.886185	27.065996	15.88101	93.9622	58.938618	48.947285	84.54557	5.367108	65.37884
DD62	8.21671	68.62782	5.8496995	36.45598	122.49171	26.769667	76.8592	1.6450595	25.98964
DD64	14.346278	73.72167	9.380899	35.144367	64.95924	25.78061	73.87485	30.817825	32.605072
DD107	0.6430568	75.942	8.825384	55.199955	58.25745	29.820248	130.01112	2.5654252	31.14494
DD108	10.757389	86.68516	5.4738603	39.35425	60.325085	38.659622	66.2165	1.4132156	40.866684
DD63	17.041363	99.29224	10.488314	52.61768	29.73122	21.723652	61.309395	3.7120237	33.70223
DD23	7.6127753	75.62817	10.031205	48.39045	114.88829	36.53209	150.3614	19.639126	2.9625075
DD24	21.86526	121.15042	11.860535	70.415634	93.89177	28.573046	76.42954	3.484165	9.898596
DD110	11.337136	124.04238	1.4176692	16.479172	77.18079	11.324633	58.473934	11.602251	7.1301837
DD22	19.111115	87.355515	1.5960612	47.01156	58.237495	31.445343	142.07773	11.889895	26.132908
DD109	6.0071254	95.70152	19.622168	36.03862	73.891975	39.090446	59.713474	6.423372	11.571287
DD65	13.573297	145.88559	9.504344	73.71864	79.01093	38.952442	65.77017	4.2080803	1.7823809
DD66	5.2276163	153.16383	15.674315	31.75986	66.67273	27.313995	63.05166	14.223743	3.1576903
DD67	10.225057	73.318695	4.8092146	37.954964	172.36649	38.919605	56.684574	2.4946487	44.295593
DD69	14.943347	152.35631	2.1774147	52.256996	82.47711	44.082092	54.72721	12.90427	10.106033
DD68	9.660781	124.60214	15.200867	45.890755	30.696758	22.1365	57.607784	0.9661039	9.806181
DD25	19.695395	117.2696	2.3135505	33.43263	20.07003	23.421562	64.94457	29.476706	19.88962
DD28	15.381036	116.96217	1.8583437	31.79203	83.55564	54.551296	60.982967	13.464676	5.5589223
DD29	14.474537	114.01171	14.280802	36.156967	36.22879	32.947563	75.35732	0.7499659	8.31174
DD27	17.229185	110.5081	9.292259	53.549328	95.33658	30.114246	67.86904	57.611996	11.922071
DD30	11.334174	203.9561	13.258609	48.844673	94.72315	34.465645	71.13117	1.1247778	10.977972

## Cont'd Supplementary Table 2

Animal	1395260_at	1395190_at	1395112_at	1395073_at	1395030_at	1395020_at	1395014_at	1394876_at	1394846_at
DD81	58.532703	128.83139	23.331993	10.544884	120.40263	6.72748	196.45328	4.471708	14.334497
DD84	42.505714	118.07426	15.702286	12.063393	213.74199	16.585817	216.51892	1.2868987	8.399051
DD85	3.3256521	112.06988	26.792252	3.118249	126.46059	8.198278	200.1753	6.5101757	9.600007
DD86	80.00407	142.21944	25.817043	1.3788954	147.1932	10.068502	192.21283	3.27568	7.6624317
DD83	56.61882	133.34894	23.32681	3.2309823	185.7108	14.15834	165.48753	6.301128	10.585183
DD41	30.733295	157.90022	36.649406	29.097284	76.13402	3.872759	156.96642	102.98735	9.167251
DD42	47.545322	161.70647	51.437386	12.964547	78.1827	13.183611	184.15887	72.48525	0.872265
DD43	55.55886	153.71584	57.349506	19.976288	101.48167	2.3378146	111.25454	26.668201	10.341353
DD44	52.370884	136.1489	52.424034	1.199464	90.11831	8.014619	123.35632	4.670794	11.489822
DD87	72.94929	147.51718	44.119507	8.79885	104.19421	8.13286	145.59192	109.58556	11.84612
DD2	110.77666	115.34613	62.838234	4.075834	173.22603	4.137827	138.14977	5.334531	4.9326367
DD3	66.29774	79.99305	47.325153	10.906116	123.10172	2.7932127	142.72418	78.18595	3.1178334
DD89	71.89241	114.15565	55.671085	6.263294	106.27655	13.344872	130.71231	108.6298	2.341893
DD90	69.76971	108.85914	68.35536	7.052421	60.9924	1.0008744	143.30843	111.945	8.835904
DD4	82.70339	86.55982	69.04446	4.377577	129.24164	8.742479	132.42627	106.75079	4.183778
DD47	62.32288	105.98522	66.966125	11.150219	104.31567	17.94113	183.52977	100.79299	5.0500326
DD48	56.15757	166.37035	75.09889	3.579437	150.18611	1.1227684	65.08804	8.13539	9.337548
DD49	10.594513	98.01105	84.54143	7.5054545	65.71159	1.2334261	125.88064	103.3048	3.350508
DD50	89.48876	141.27876	77.92855	3.7098217	168.02975	7.3126535	136.35225	38.243385	0.895972
DD46	102.91846	99.48636	71.807076	9.013184	78.17408	1.7234979	119.89147	49.67854	17.954802
DD6	90.40388	104.43008	86.542046	2.3332002	60.031303	1.8088942	111.75505	6.3703117	1.3432713
DD7	36.38742	96.38671	61.23918	6.459224	73.558754	2.4931169	124.83733	24.989237	1.1538644
DD8	75.93129	78.949875	82.30161	8.060303	69.8413	0.9315172	135.72156	20.659767	8.320121
DD5	122.51576	113.72574	85.65495	3.9908636	86.65331	9.952349	94.858604	29.81043	8.948244
DD9	119.10461	74.8454	69.84013	9.830244	60.329483	0.9021287	135.77187	33.527573	1.8894999
DD103	141.08815	23.556936	212.78944	58.90855	47.362865	24.50892	292.5118	33.830788	24.798178
DD101	164.5745	28.185898	184.97588	33.48655	31.13743	28.564552	261.3375	32.299217	10.419255
DD102	184.55116	22.523125	137.73016	48.828636	44.60914	11.115854	282.10776	54.224365	47.88444
DD105	152.6813	12.641615	129.92044	29.96713	39.474632	18.04863	274.19662	33.74036	42.79626
DD106	153.52711	31.517233	163.78697	46.124035	24.931337	15.834645	296.4616	55.494633	42.239277
DD62	160.59563	43.298016	251.88193	13.5671	41.459076	11.188102	320.45264	21.47658	27.169872
DD64	133.73166	33.895813	340.0214	21.092176	36.824497	23.692629	274.53333	8.898511	16.85684
DD107	140.20572	44.546505	368.11664	53.936497	25.582329	23.411865	336.5115	81.99741	24.217308
DD108	178.66148	27.04622	228.19315	42.943073	39.13588	23.106108	402.1105	57.675373	45.165833
DD63	201.96841	24.169935	293.19296	32.526604	26.07069	21.802135	298.89478	20.704914	47.55977
DD23	202.64331	40.46161	641.4978	33.15526	68.69545	2.8612728	345.04907	96.01683	33.81355
DD24	116.87352	51.70984	551.40814	43.681965	53.42896	20.14347	326.86	98.10061	24.409986
DD110	239.86298	68.96952	524.7901	12.858802	63.550694	12.552957	310.79495	5.2167	2.2795968
DD22	187.8163	39.875168	547.61957	24.431526	13.577379	7.7413144	247.94035	63.145897	37.35605
DD109	134.41748	16.678925	674.19116	41.72505	9.66953	10.183004	214.7973	53.681618	26.931923
DD65	170.37352	41.116657	744.24054	48.09307	2.8214111	17.655006	352.12106	61.82272	50.59228
DD66	133.91212	41.00498	529.26996	38.117634	36.30364	21.946325	425.22992	39.276863	14.997582
DD67	255.09724	51.262733	830.7291	26.312616	47.202156	9.180632	283.87268	5.712728	18.778032
DD69	99.21836	52.779804	625.596	31.667013	48.02814	11.205071	371.9568	34.257988	20.819967
DD68	168.21635	53.19725	515.10913	27.462814	16.069725	2.2488058	415.30548	4.747684	2.4517827
DD25	224.87321	33.61096	587.3831	13.925037	18.96759	3.331833	520.5102	6.3712273	45.258823
DD28	126.13055	20.62541	513.07874	27.597998	38.669216	13.164383	435.97583	104.53738	30.121168
DD29	142.47809	39.494877	582.86786	29.04266	29.393166	15.045613	487.97424	99.095695	21.728207
DD27	103.78373	37.755432	611.3072	22.301245	19.43819	4.34894	404.92947	83.19373	5.9881063
DD30	134.50403	20.993267	444.00797	38.6114	26.988697	9.909653	460.7547	111.05571	32.137665

## Cont'd Supplementary Table 2

Animal	1394839_at	1394756_at	1394689_at	1394620_at	1394574_at	1394490_at	1394459_at	1394264_at	1393952_at
DD81	46.85812	12.135091	265.59995	11.752227	25.853367	31.538986	146.99785	39.508	2.7182605
DD84	48.929535	1.4848092	312.4737	9.140329	52.47279	40.496742	167.36284	39.90166	0.5780053
DD85	34.235477	3.0050247	254.94832	10.461499	58.22504	30.117409	154.80116	32.798397	1.0681114
DD86	51.64431	0.2823037	269.7977	21.616787	33.090324	34.33215	153.79985	42.378666	6.578615
DD83	38.336884	1.0657941	234.63148	12.502784	17.527958	37.469364	158.5906	43.467953	2.7678802
DD41	34.34548	34.866634	227.34285	21.180716	31.070507	49.56322	183.0034	49.78531	4.460741
DD42	26.153376	36.07711	158.6482	12.801185	42.94336	46.536106	147.40689	49.94409	0.6041493
DD43	39.946304	19.544405	188.24925	6.3466225	38.28632	49.781307	105.95261	49.120365	1.1879083
DD44	34.29563	10.573018	204.3987	24.860622	28.541964	30.602882	124.14692	62.740356	2.9922645
DD87	53.017338	36.726807	201.11981	14.309925	25.198492	57.045464	147.1203	56.247185	0.9511873
DD2	33.227833	8.401778	181.93837	15.998327	43.011925	38.703346	187.00433	61.04635	6.195503
DD3	30.63711	23.466309	178.98793	19.152573	42.88294	47.734478	196.17598	58.519226	8.889494
DD89	24.45443	42.639816	162.76733	3.8738415	45.972523	58.128822	203.94821	56.181946	2.6366785
DD90	54.63885	54.920776	161.55823	17.826822	49.531525	65.15188	217.10936	56.546406	1.1835402
DD4	38.522697	28.313183	213.79591	4.9520555	48.684017	44.921722	203.4917	42.39544	8.514972
DD47	35.21981	15.70006	148.14102	6.974501	63.363934	47.57168	207.99274	33.78996	3.906307
DD48	21.608223	6.602934	177.97552	7.025223	35.176987	25.082476	94.918976	54.827377	11.420457
DD49	46.30819	46.76968	146.95389	7.8659554	58.97517	69.23569	292.51276	44.493217	6.1254077
DD50	20.545204	18.713753	202.36256	18.666466	59.964523	35.30649	217.61139	64.99174	5.4429693
DD46	30.212856	17.634039	158.384	11.716843	49.8408	49.63475	191.73242	40.671402	9.787485
DD6	26.307404	29.352758	93.9117	8.695566	54.770878	49.301357	216.31326	63.06596	0.7373404
DD7	39.891136	28.500816	107.90088	19.48404	44.617367	44.703114	204.78394	41.622185	4.6850204
DD8	27.688711	25.692066	154.19112	17.59442	66.35537	55.117813	217.80785	37.71335	6.0722866
DD5	24.496359	12.694844	186.57967	5.345402	41.579163	46.12881	120.80258	43.96188	1.19129
DD9	27.480394	19.111387	114.2165	11.190681	47.40523	37.110027	220.70348	47.77507	8.663443
DD103	2.5445557	150.31807	131.49619	33.639374	31.87122	18.703108	98.895966	14.393305	15.203511
DD101	14.96111	137.3027	108.05981	50.962456	34.213455	27.151608	66.336	16.829016	14.644953
DD102	10.275345	142.69217	147.56752	32.636726	22.526571	34.856358	80.33981	8.756626	14.524491
DD105	8.183711	146.98428	146.6196	40.315407	38.60539	16.271929	78.96273	23.847292	9.608673
DD106	7.383682	163.47989	150.18349	10.810269	40.165775	19.239868	80.03116	7.0653405	5.820802
DD62	28.887766	67.972305	112.54004	4.141038	47.30295	17.090221	46.376587	23.602707	10.338476
DD64	4.80139	39.54755	141.84708	42.91435	49.247967	10.60243	69.0752	3.606398	10.747246
DD107	40.148487	88.60908	176.9921	15.594955	35.155792	28.591223	81.19185	23.40976	7.294484
DD108	16.340918	98.55528	53.015244	42.923687	30.113085	14.690024	67.406555	35.645092	16.692142
DD63	14.109717	84.32397	41.616245	48.653366	41.644794	11.81597	72.86972	21.59673	22.73342
DD23	2.049115	70.14052	136.1376	14.408427	21.658606	21.164967	50.172104	6.2254643	21.271782
DD24	23.361166	56.905876	90.55032	35.586758	16.49184	32.967552	72.40483	18.562977	4.1322174
DD110	1.9746284	63.71776	16.135557	37.87581	20.520456	15.843321	77.452896	9.44035	17.569862
DD22	17.25779	65.42723	41.974464	28.500427	12.678465	16.328531	58.042007	10.76085	13.814356
DD109	2.3393302	52.350204	28.571808	5.39083	46.07886	19.102013	58.06817	12.84298	7.150089
DD65	1.4679743	64.262924	113.66407	4.0221915	31.624489	24.68331	65.80092	3.4166129	0.8564236
DD66	31.088125	37.16342	164.19171	79.09831	25.887873	23.120045	81.133446	15.452062	9.2039995
DD67	19.320421	69.08796	27.05906	9.953022	32.01524	17.338636	85.22426	35.50811	7.950688
DD69	16.153904	51.92728	157.3021	34.60578	18.376461	30.7275	74.51396	6.757998	8.911348
DD68	1.9222195	82.4215	68.028015	32.102673	24.844742	23.9612	79.156105	12.553879	28.058144
DD25	6.521373	82.458954	78.38717	41.099285	41.32294	25.581661	65.7791	28.870892	29.733454
DD28	20.814932	72.29312	98.37648	45.527378	26.811497	23.834518	65.41371	9.966958	6.801078
DD29	7.6032796	81.69485	61.766056	53.389507	22.411411	32.52145	66.72863	15.237944	17.735342
DD27	6.609094	41.671505	48.581917	29.821182	10.866756	20.341105	50.629772	20.334333	14.749029
DD30	18.056442	91.75211	54.28807	41.59472	28.74938	30.498936	60.60746	9.370618	45.189564

## Cont'd Supplementary Table 2

Animal	1393916_at	1393842_at	1393718_at	1393705_at	1393617_at	1393585_at	1393476_at	1393421_at	1393387_at
DD81	26.195429	114.39602	39.037815	74.48664	21.74914	63.936806	105.40963	109.34342	42.372684
DD84	23.08027	98.62136	41.260532	70.9613	19.880249	74.081764	86.21915	97.48856	42.633373
DD85	23.16675	99.625916	59.700954	82.149475	2.478259	82.69538	89.66726	66.420074	43.28682
DD86	26.253954	129.21204	53.899097	79.83193	11.371831	72.67642	97.26928	94.73565	39.60226
DD83	16.568129	114.05288	46.752117	67.42299	18.62989	71.348854	93.69589	96.1836	53.05521
DD41	41.171146	150.69453	41.8455	111.91364	13.578945	146.37312	99.097084	85.04356	67.63967
DD42	21.14703	122.28847	24.381504	85.7597	14.681758	159.33623	83.44879	87.37454	90.61519
DD43	26.58456	166.38765	112.01829	100.66425	19.397953	185.07742	113.43842	99.26708	50.838802
DD44	27.058485	146.1766	71.18019	84.76269	20.974363	143.31502	84.537155	82.773155	60.934185
DD87	30.802603	118.04235	46.742702	69.91418	17.812649	122.61289	109.31645	90.77794	76.2964
DD2	21.220808	110.13798	65.41836	26.2927	29.96948	98.47961	146.06386	97.9659	47.78364
DD3	42.46225	109.8562	122.60378	44.683376	41.65944	170.76624	107.43795	84.51037	76.47641
DD89	42.16727	93.83126	122.56326	69.56305	24.007498	258.2707	121.47325	84.6083	54.824207
DD90	42.576485	119.54595	99.6189	69.237305	38.07317	180.5372	95.75297	94.194305	71.04714
DD4	36.62986	91.0943	97.19598	58.06745	34.670597	163.54915	96.381004	98.52216	57.46088
DD47	48.079815	91.872345	84.55953	19.851542	46.254944	98.59074	160.68784	87.8281	58.349415
DD48	22.646004	168.06758	88.95221	80.095085	34.575867	176.75337	78.586205	136.68571	32.48249
DD49	37.706608	105.51449	41.988102	37.861576	57.33438	63.391125	101.89938	62.94452	42.51297
DD50	45.60181	100.01642	101.00496	44.158863	34.733944	150.51802	87.51286	86.8149	33.69094
DD46	42.39818	125.5324	138.68433	38.384895	40.454933	182.31982	108.36084	84.36922	34.001007
DD6	56.675694	87.22402	54.30839	38.31162	57.40108	131.16913	79.693085	79.010475	76.4473
DD7	46.066544	79.55732	75.13768	33.958633	48.19237	141.91011	136.31401	89.78762	49.85011
DD8	47.414677	103.01849	73.4699	28.357891	55.197758	128.47081	91.33274	72.89197	68.07547
DD5	33.500923	150.46152	146.21077	79.95563	37.109146	196.18112	76.56951	98.10547	52.686325
DD9	35.235287	87.37527	46.325737	29.332594	63.665646	88.503784	125.48477	76.80376	57.95703
DD103	23.474642	35.987076	26.876965	223.37863	16.65179	516.5805	26.170898	33.96347	50.42136
DD101	20.305399	143.57529	29.321396	201.50557	8.263531	463.79184	30.068024	16.46301	25.090591
DD102	15.000937	42.628254	55.13143	201.99915	5.9444113	574.3062	16.321821	21.36099	34.17056
DD105	17.913729	30.711084	65.094185	167.48303	14.457434	522.8142	43.883312	33.787086	14.302176
DD106	10.084358	157.77466	30.789968	202.12654	7.9092355	737.75336	36.43694	25.994284	48.418808
DD62	12.040117	98.101814	53.728905	129.24033	5.997768	254.86967	23.34039	27.190165	30.010475
DD64	12.981488	105.7819	24.109121	104.79741	21.903008	168.42093	34.695484	29.253462	40.03447
DD107	20.52497	27.064507	21.893925	119.39009	1.7445377	489.4852	7.965552	32.77709	33.07298
DD108	16.148727	29.083607	0.5625362	118.48772	1.3712767	385.83078	6.8738475	19.994007	42.098267
DD63	10.385223	36.46377	26.747805	115.39748	1.9529561	350.57544	24.683403	26.248941	30.736538
DD23	36.019283	57.760166	95.64049	150.02682	1.0696001	402.41666	24.156807	39.897873	32.38872
DD24	23.03934	106.08074	28.522179	207.73447	28.967411	594.6673	24.984945	29.755346	32.166576
DD110	10.394574	115.27965	15.434618	101.87849	21.900995	343.49686	40.779083	43.194557	23.51451
DD22	11.077778	115.87832	52.295654	98.16404	11.751406	294.96063	17.125074	41.322346	15.027327
DD109	3.6584656	78.82992	46.224186	100.64407	26.572996	257.68768	42.62906	8.4256735	37.066612
DD65	19.744108	52.80906	58.027317	162.037	25.866856	376.43088	26.449286	20.166763	39.498405
DD66	14.011279	74.70274	50.30201	140.91335	29.045977	646.3842	7.86796	31.059317	35.34738
DD67	1.8304859	90.39826	34.225983	84.6172	22.452435	281.41818	44.57508	45.172295	24.448866
DD69	17.981478	33.50665	158.19978	139.20387	37.33912	309.72876	9.993868	40.213932	34.473534
DD68	13.517734	16.464365	74.32533	105.51707	21.193031	150.08658	17.43097	23.29031	19.683163
DD25	23.475815	52.18047	38.89381	41.884987	24.644226	129.57295	25.585424	9.4380245	7.292742
DD28	16.255339	42.369335	22.88617	84.78773	33.797028	271.11368	7.846039	34.280006	17.291565
DD29	15.759437	59.12486	23.361074	98.13753	18.003458	315.01428	24.672274	24.390553	22.539211
DD27	7.599491	66.382774	50.217476	72.81294	31.023796	101.60338	11.188469	10.466401	42.251984
DD30	25.82549	36.16977	4.667649	119.13987	22.928743	94.339165	14.949568	24.914705	22.574791

## Cont'd Supplementary Table 2

Animal	1393259_at	1393169_at	1393139_at	1393108_at	1393075_at	1392961_at	1392954_at	1392860_at	1392788_at
DD81	121.6009	715.53174	6.014912	23.503836	33.68268	462.2118	17.450075	2.063632	20.125393
DD84	140.60887	702.0421	1.3645931	12.066607	16.500992	537.79065	2.388622	8.531143	11.278392
DD85	140.8339	671.45245	2.212394	16.413265	12.391706	599.3585	4.848697	13.447294	10.944554
DD86	113.91289	651.15234	1.7827544	8.991839	14.237222	541.34064	25.02504	3.8004706	12.843295
DD83	117.21601	722.0362	1.7691866	26.328798	16.800438	470.81064	24.127499	15.297961	26.394197
DD41	129.76804	817.4982	0.3963144	19.878798	24.696335	560.772	17.216337	21.138613	22.07328
DD42	143.4352	783.9853	17.729057	8.515123	15.456309	530.79895	5.4164424	1.4667326	20.529575
DD43	108.47735	827.0051	10.366846	4.251421	44.470146	330.03516	12.844256	14.438071	16.829382
DD44	132.73701	841.0645	8.034011	13.487898	32.784485	456.6634	10.151362	13.08624	13.28496
DD87	139.12257	744.59125	1.0055171	21.164816	14.544451	516.9686	2.7023733	17.95299	16.539892
DD2	115.77158	455.1614	2.4365416	20.091125	71.27016	412.2964	34.164295	14.662748	17.470333
DD3	89.708496	499.67682	0.7169384	14.256743	78.44291	341.13864	22.991163	12.272384	21.903563
DD89	117.94807	579.88184	1.2122122	7.942349	74.89639	342.73462	3.8560152	10.64088	17.208235
DD90	110.22823	546.55884	1.2404593	28.614357	91.14387	347.9415	18.201544	13.040712	35.61034
DD4	98.34567	524.9279	19.031824	8.610139	91.7654	382.13916	5.894218	17.174387	24.142904
DD47	125.97074	517.3781	3.9583707	11.377547	87.45364	354.96085	3.1609838	11.796205	22.850185
DD48	54.24404	610.7453	7.163177	15.936709	82.25566	181.58899	10.28701	11.803473	29.702559
DD49	135.58162	610.0914	15.547503	14.492111	81.8947	329.5764	22.885641	19.140915	22.056742
DD50	150.9774	560.2282	1.393355	20.18352	65.56051	452.68073	3.5989542	16.896688	24.914722
DD46	200.14378	455.15326	2.444216	16.091375	107.12756	298.27295	19.854525	25.941116	33.567936
DD6	145.11194	488.83795	33.342552	16.328518	103.71663	324.5236	14.007834	11.014304	27.253883
DD7	138.78287	477.81424	88.72818	25.724699	104.65568	205.08496	11.420075	20.128876	24.812775
DD8	161.31097	563.5928	5.0694547	21.034552	100.9819	382.51538	5.4351406	11.133717	29.170408
DD5	59.140118	566.3256	39.297207	10.847999	85.02426	181.33063	1.9945636	7.1044755	17.388298
DD9	142.52374	569.0126	49.76866	19.563139	86.80527	293.43906	7.257605	2.5498478	11.422677
DD103	333.92816	339.69922	7.0648265	78.95604	29.407194	369.91754	71.01913	95.333275	211.62361
DD101	276.69733	177.6962	12.497434	69.44079	22.734247	146.40529	13.251307	86.18376	176.0884
DD102	350.06827	310.942	8.483995	23.46585	23.905918	355.0021	116.20312	92.75315	237.2697
DD105	322.03125	268.42142	8.216264	34.76695	18.124346	426.31592	55.422016	79.21773	155.19028
DD106	257.9839	315.28598	1.3998036	68.35135	24.982042	177.82329	27.313599	97.545746	173.3508
DD62	238.18263	198.4501	6.8352013	66.54613	15.449656	151.8718	86.70392	17.402351	130.8788
DD64	230.04108	252.24197	3.7906516	114.15238	5.1099277	141.719	20.259567	52.25055	132.05202
DD107	337.883	194.95499	1.2261949	86.37036	16.563362	328.02893	55.32884	68.17702	113.11041
DD108	305.81705	543.2674	15.863982	59.0887	23.566305	211.51553	77.55648	26.944504	110.72266
DD63	280.55865	773.33765	4.6334114	60.069828	10.929665	292.60242	98.40369	59.88996	120.81313
DD23	286.6653	203.65053	22.347	63.651535	28.162766	210.73697	42.24914	49.483597	109.14237
DD24	302.78735	160.73264	5.365493	61.41796	45.614845	171.70122	51.144302	2.4109025	114.32593
DD110	160.88794	212.43494	3.4740195	65.47537	19.318356	307.6227	69.93688	41.05403	83.283775
DD22	171.4584	478.42206	33.52398	59.61504	37.479424	93.93406	78.74491	34.781067	111.62243
DD109	188.5651	562.3074	36.724224	98.300804	34.378323	85.48486	43.162376	33.878254	72.6859
DD65	385.22836	206.37566	18.444925	103.04244	39.577805	69.15534	40.392414	19.14854	128.3896
DD66	290.7969	143.55382	80.65752	162.34032	52.297077	226.42793	2.1508982	39.842735	88.48504
DD67	334.3934	579.97797	29.266796	96.642525	66.344765	91.75957	41.700195	43.635098	96.14325
DD69	435.34674	206.65102	23.515823	83.84906	44.04008	54.129906	52.0234	37.297775	116.22517
DD68	516.5276	203.70886	64.016884	59.35664	43.645733	163.46675	46.923416	6.702028	116.59979
DD25	324.8652	172.66698	11.801089	72.71209	26.067047	209.60033	55.771282	60.48922	177.06534
DD28	211.76076	332.226	38.23634	108.82597	38.985703	71.104836	4.488839	26.457273	88.024254
DD29	293.50528	436.08337	20.02927	76.60276	37.889324	273.50775	55.478302	27.662483	111.90246
DD27	241.23228	162.71037	34.408157	100.75294	41.638847	182.72473	5.43561	45.40519	113.73631
DD30	378.2871	192.19287	1.184121	121.08678	30.240095	162.88965	31.591873	39.49736	113.12418

## Cont'd Supplementary Table 2

Animal	1392767_at	1392631_at	1392598_at	1392539_at	1392531_at	1392504_at	1392444_at	1392411_at	1392392_at
DD81	173.03514	18.31096	891.6366	53.932026	37.596943	396.19998	99.06777	1.8932364	85.63
DD84	230.31346	10.112484	837.00037	54.18646	44.933506	401.4213	73.87415	0.5967189	91.23534
DD85	202.65439	14.014127	821.9613	45.84262	33.90819	417.39273	13.171545	4.1461368	82.40622
DD86	172.6961	10.841177	794.87146	56.507233	42.313164	404.6145	71.87699	0.1887628	86.689865
DD83	188.89746	5.9312463	811.2672	57.07745	43.402287	432.21268	29.97598	9.017009	81.99293
DD41	190.34547	17.113594	798.3786	46.960155	25.09498	494.10318	73.74726	1.5698776	51.97944
DD42	142.2514	29.988073	796.70447	51.795513	32.978706	427.48175	73.83645	6.0071554	60.4453
DD43	171.73256	22.50377	614.2028	27.756311	19.386799	483.53378	40.347164	0.6448758	46.520935
DD44	101.92334	23.967508	536.2095	61.633923	25.929197	453.95972	92.61125	5.9185615	51.9447
DD87	151.34998	4.093577	684.99207	49.02683	18.772581	467.51672	61.308636	0.4190716	49.810925
DD2	116.55824	19.718134	549.2014	46.00191	4.5876293	358.50592	87.51506	13.927321	46.030964
DD3	146.93845	29.225061	603.4982	38.88662	3.8305936	386.0676	51.58595	6.5511537	47.36933
DD89	125.94944	21.67976	699.6965	42.820553	19.068148	372.79614	72.4244	10.643992	55.96871
DD90	147.63042	42.779114	674.09546	49.07045	14.681422	394.0273	76.824524	7.058094	77.638756
DD4	125.26601	32.087177	553.8575	61.21205	18.158257	365.77905	80.61766	12.626333	61.869648
DD47	107.68257	25.827703	516.1023	72.23895	23.166128	343.39578	58.655037	5.1614485	46.89515
DD48	95.757126	27.16502	487.37082	34.84242	20.29274	426.57208	34.749443	4.9451675	33.52848
DD49	140.87173	36.621094	910.34607	25.12147	26.233213	410.50278	62.563877	6.9703565	66.56147
DD50	91.59181	23.774097	617.0949	79.52107	15.754764	391.73178	61.87172	10.05673	61.190918
DD46	165.47467	37.7115	612.56146	74.083725	3.8802066	330.25275	77.62653	5.531299	71.87836
DD6	162.4493	30.109232	657.67896	59.11112	29.302828	355.36368	87.59901	9.382241	70.471275
DD7	163.74661	39.52748	695.3908	55.842777	15.243278	355.69717	32.431282	5.367401	56.46458
DD8	169.51093	31.0261	716.5383	52.961372	13.10534	389.72775	48.619198	0.5870678	69.74912
DD5	102.21158	22.832302	583.60126	41.4981	8.173256	439.56253	56.704597	4.7226605	57.929493
DD9	171.95648	20.43668	687.4371	45.791367	20.972685	333.0021	34.248463	2.1374025	81.22687
DD103	26.817442	42.079063	810.85077	52.872795	20.895433	140.13315	37.164555	8.086875	47.201077
DD101	21.199497	29.311869	331.04544	52.75559	32.44917	181.89972	29.933416	9.23494	36.851376
DD102	22.154165	36.90059	585.92596	114.4098	23.70944	133.09726	23.760386	7.808241	45.317078
DD105	20.940811	16.038183	393.7247	106.54102	48.815792	125.33404	50.453438	8.128953	39.08147
DD106	102.35988	40.862312	401.33115	90.148605	29.136665	135.48967	25.86672	7.485329	37.995712
DD62	13.666998	11.660275	263.09387	81.373184	22.44358	183.1527	25.423355	3.8997874	31.413166
DD64	11.500719	15.57878	257.00476	61.697834	2.6943414	143.95515	10.204725	14.09646	33.83642
DD107	120.37974	15.827358	308.79932	124.91952	30.135904	173.6027	34.539	11.948994	31.976694
DD108	32.119312	2.5739188	499.4423	138.78078	2.5906198	130.91022	15.48902	0.3598343	31.12642
DD63	22.010914	9.9256115	396.85168	174.97647	17.396273	147.62425	9.371305	16.556986	35.176155
DD23	18.812922	11.10939	285.36548	170.47418	6.439124	74.85238	6.6460137	7.346389	50.635902
DD24	29.679283	37.997173	303.893	89.11038	7.551139	84.75035	5.1106977	5.994926	24.151985
DD110	61.164433	6.641573	227.31052	67.15367	9.018735	136.06415	10.931849	1.0784712	35.158512
DD22	83.58295	8.103289	405.44653	114.04629	17.95078	110.16111	14.725876	6.8205843	35.16033
DD109	4.6338325	33.433514	192.30594	113.92725	2.7235472	109.30175	16.720785	11.889744	6.2273526
DD65	41.23676	14.435343	710.06885	79.82314	21.304066	80.31151	3.5860164	12.22637	37.509674
DD66	59.383095	10.984362	418.0254	150.963	2.584838	67.73662	6.278118	7.907344	5.242274
DD67	3.7559087	18.640945	275.3603	75.96193	7.19479	161.70709	13.774428	16.747274	0.8893604
DD69	7.6528306	19.516666	266.25146	130.00177	6.9022055	76.0759	27.226587	20.750027	8.058852
DD68	23.132227	24.677437	284.58698	120.69669	8.106212	93.10488	20.635206	10.501063	24.470438
DD25	5.3487573	19.707218	245.62184	164.31401	3.5954964	24.385788	14.227888	15.925242	56.954212
DD28	16.614784	1.100018	218.32509	96.28072	12.438875	66.601494	6.1100883	12.416625	29.055466
DD29	23.940876	8.834171	256.6291	83.41599	8.092377	64.83399	16.782927	16.666039	3.1802964
DD27	4.4849114	16.853153	422.64096	96.09107	9.5691395	59.76228	21.453012	11.526761	32.550705
DD30	33.174206	15.925667	361.1365	60.712597	19.477676	70.516495	26.393467	9.168382	26.42075

## Cont'd Supplementary Table 2

Animal	1392382_at	1392381_at	1392352_at	1392308_at	1392304_at	1392283_at	1392172_at	1392074_at	1392026_at
DD81	293.65668	28.593494	0.8868595	36.977802	45.500275	15.758865	10.256525	30.377558	134.33472
DD84	312.41153	39.41752	0.7327049	44.041233	42.9688	9.25907	2.7409892	18.030666	154.21173
DD85	362.07565	36.359703	9.203439	39.02241	49.457882	1.589754	1.7376798	22.389935	115.10605
DD86	282.20956	40.268364	4.929619	40.46228	33.880466	4.9632096	13.431778	26.462898	99.65418
DD83	289.04025	45.349644	6.578012	42.65832	61.212517	3.1185596	2.645845	3.1894684	124.50658
DD41	251.58003	24.388678	28.233723	50.591442	62.821484	19.884752	8.947851	57.050724	135.78079
DD42	163.66066	34.871864	9.423951	19.97377	22.853495	34.09664	2.4159458	62.5095	157.21393
DD43	181.00677	15.336324	15.596706	49.924297	74.95293	2.8376234	1.9406781	79.800316	88.78728
DD44	145.75061	29.625721	1.2157799	44.855003	45.77558	12.756686	4.9168777	61.483315	126.47196
DD87	261.6684	4.742022	7.073731	43.89413	62.391678	28.769802	12.236114	64.607666	136.97968
DD2	218.7744	10.118314	8.908207	45.397694	60.040657	4.159854	4.4271045	41.187145	190.66608
DD3	296.9553	16.744493	18.913357	56.02937	53.283073	11.636645	16.02382	66.30959	134.77246
DD89	265.35025	13.899374	18.300505	59.22242	78.82866	17.173355	2.3916142	89.87125	94.101685
DD90	274.65744	3.1150005	16.056137	46.334126	54.17575	3.395929	3.5938191	86.52669	95.542366
DD4	249.18427	12.622024	21.369799	47.006634	70.27584	16.047024	15.043675	51.689667	178.98372
DD47	224.3007	2.553128	6.2007294	68.611275	57.194984	11.875001	9.983563	42.289955	103.6416
DD48	103.5582	3.8126323	5.7409945	65.4302	64.52174	16.985136	18.391422	67.08738	91.520454
DD49	358.2244	6.395148	16.881895	78.79396	54.058952	23.77266	31.280655	48.392166	128.34569
DD50	204.37949	22.243786	2.7388468	98.829	43.73632	11.612748	6.2596726	42.727962	155.01636
DD46	207.92159	27.150248	16.38544	49.44501	56.71799	31.211582	5.783767	62.494118	102.47265
DD6	322.62723	13.054657	11.766321	74.756996	53.72999	37.210068	10.452802	40.772736	90.17937
DD7	303.8741	6.0646863	11.730659	54.275394	46.934254	14.662906	46.17755	37.644936	133.07712
DD8	335.7733	1.625947	10.446622	60.296883	47.7202	19.198103	5.868543	34.795498	120.04533
DD5	156.1102	15.947102	17.473328	47.376945	53.687542	10.721785	23.523409	56.18022	38.246914
DD9	266.44626	7.0156307	12.611474	72.90243	48.82768	23.440899	24.076303	8.345384	134.36261
DD103	90.407936	41.832935	21.592497	17.790962	17.90363	3.7365897	2.9346452	140.27328	80.89318
DD101	66.09072	50.871998	17.91424	3.1092248	5.2220287	13.764082	21.525711	145.2856	46.461964
DD102	78.39227	58.029434	19.761623	19.423594	20.130466	3.9331012	7.181709	111.4739	84.07272
DD105	111.6695	48.460716	23.263372	32.601334	14.361942	19.581196	7.5565042	96.08524	56.112843
DD106	77.824104	52.45008	13.113617	3.748183	16.801416	13.875479	5.2236366	140.81654	52.719177
DD62	57.248837	32.817696	8.85218	17.63915	23.790255	1.9535135	2.2456453	75.34204	46.61277
DD64	50.139637	14.175567	7.7039356	41.14666	17.864073	13.743036	3.7574975	56.662186	72.07697
DD107	66.98407	35.642082	21.310726	15.276654	11.801491	5.7933826	3.5298388	140.9679	39.165268
DD108	61.384888	29.866985	19.83913	5.7321844	1.4265584	4.053792	3.625443	113.52821	80.2593
DD63	35.41294	30.00105	18.607777	4.943788	3.8659875	28.272871	5.58776	59.182846	74.37452
DD23	103.50234	28.469353	16.092869	26.928469	13.788817	5.231647	3.4414415	284.17502	89.45521
DD24	84.09855	23.376328	1.6785135	13.658787	10.29271	3.8925018	18.466162	210.14464	73.699356
DD110	43.441517	30.517685	0.653598	12.925768	11.946162	12.839977	3.802033	92.00531	62.35567
DD22	78.363815	30.249763	23.573305	26.451408	16.19385	2.0830321	41.71572	153.70589	48.120007
DD109	75.05924	36.424942	18.762938	44.54527	9.438639	4.214175	26.23301	187.08882	35.972015
DD65	100.36214	11.930195	17.804884	25.465097	1.6077607	27.01123	27.686533	231.4626	36.23859
DD66	69.907196	33.484295	17.116253	18.936958	17.562199	1.8292658	48.415257	144.63646	50.463955
DD67	54.972622	33.67837	14.068767	35.23718	14.663647	23.032131	21.231808	92.44731	80.01326
DD69	71.67952	26.901798	14.734669	34.92496	3.229377	2.4767814	17.488646	239.49454	90.89056
DD68	133.24857	30.402046	16.166538	23.370909	12.781096	4.869998	37.440983	113.73975	74.73099
DD25	77.30334	31.918299	16.71742	22.770498	20.779812	23.067137	11.071849	79.83492	61.360703
DD28	86.67896	29.154703	4.645988	20.524174	10.491905	3.59987	24.418444	165.07655	85.419174
DD29	98.94898	16.651342	14.270624	23.121126	26.136826	24.679768	23.814558	245.48177	139.5967
DD27	90.64892	40.873863	18.010557	45.0395	11.846236	11.124929	36.45971	139.11931	91.62376
DD30	152.89128	28.494896	14.412331	61.446278	15.079847	26.049429	9.809019	175.00618	111.81898

## Cont'd Supplementary Table 2

Animal	1391793_at	1391757_at	1391697_at	1391600_at	1391552_at	1391500_at	1391463_at	1391355_at	1391312_at
DD81	15.537846	24.937155	41.853867	63.936234	658.62683	24.150526	264.98108	4.0283313	26.048456
DD84	10.161058	34.560917	42.106438	69.22133	577.46765	35.078205	256.7734	22.329756	21.522865
DD85	4.569668	27.075014	22.542387	93.6745	678.6322	35.06825	246.77419	12.839534	36.735897
DD86	4.3902016	27.757946	34.215126	65.34306	646.1066	32.7744	257.83554	26.965078	33.55348
DD83	13.053838	17.862795	28.930233	77.874916	521.2704	53.614353	255.20697	9.0584545	40.133884
DD41	7.4701266	54.864758	8.267118	137.6829	939.2481	45.611565	96.56894	10.472663	28.62874
DD42	6.754912	59.265797	31.766829	123.38503	992.1576	23.34513	97.57138	17.96965	3.829546
DD43	13.257258	62.674294	15.258537	59.751427	623.1146	46.352154	115.64404	12.108519	27.245258
DD44	10.995839	37.260895	14.729424	103.92601	566.6508	30.274961	144.1254	7.427892	14.867556
DD87	8.200041	44.985928	2.4272683	129.38661	851.2377	30.441563	119.11836	9.752664	28.578001
DD2	18.981379	14.556355	7.2977915	194.38654	483.4321	70.485794	43.23727	12.314548	24.188421
DD3	11.107675	39.0097	25.104538	172.43553	404.6279	41.48639	47.72132	7.9385242	7.064365
DD89	9.475138	64.15997	13.885626	254.82524	406.55667	55.563274	55.209946	25.627321	27.151152
DD90	12.798799	45.604496	19.226702	222.75749	444.02527	72.017975	60.252216	35.900574	14.066922
DD4	17.7184	43.992764	20.402151	188.58469	399.78796	51.43633	59.425262	9.268882	8.126258
DD47	4.794935	4.148477	7.1841865	213.33025	475.83298	62.535263	43.836018	27.903587	15.565206
DD48	21.622911	42.98261	35.179348	68.25841	583.5345	41.81709	40.256615	22.476858	14.177198
DD49	9.248639	45.672844	14.786485	327.97592	555.1967	63.17892	55.587574	21.425535	30.351574
DD50	8.508967	26.734587	17.876226	161.52892	559.45593	73.53965	68.40585	21.219364	8.223709
DD46	14.509483	33.749004	12.647859	193.93463	592.0767	58.28414	49.805626	13.433217	36.960373
DD6	10.608796	33.76621	17.292456	308.8392	535.58057	63.40331	42.67812	8.735647	11.29167
DD7	16.597559	31.55695	16.257257	282.6166	499.88864	58.4249	52.770424	23.245434	16.616512
DD8	16.91486	32.283337	26.988842	270.0601	512.9745	59.42153	42.035313	15.35321	14.736592
DD5	16.984226	51.30215	13.833686	59.111668	522.8363	46.361965	51.71175	21.115898	9.822928
DD9	14.520688	31.237812	17.791548	226.25542	449.6162	68.178085	49.77914	26.097681	12.816306
DD103	3.7523935	191.44681	55.6455	54.2795	81.433266	54.502148	257.71005	51.430405	10.131211
DD101	9.603513	147.67157	52.308777	45.93004	288.6952	30.398619	177.35435	63.955555	16.020697
DD102	7.61946	171.07747	55.023846	45.27697	82.405716	32.891167	276.91998	77.967285	12.859386
DD105	11.959746	140.48961	74.93915	43.913044	308.91827	37.48326	235.18224	38.951202	13.214521
DD106	0.508016	163.22537	56.474915	33.457664	70.63268	30.13888	276.03375	35.511227	15.51078
DD62	5.4462605	73.33029	25.88244	31.296919	271.3077	17.058552	161.70735	36.929882	4.1686835
DD64	16.993671	73.820465	36.30388	21.276829	271.98367	27.030363	470.90466	43.82888	3.6991134
DD107	6.173584	99.996574	38.7656	37.878242	356.4413	25.134089	455.64215	37.675304	22.975494
DD108	10.78843	69.51469	58.531578	42.305485	66.77024	27.220642	160.43178	30.548985	28.951668
DD63	9.126668	67.21627	53.7407	26.972176	51.97412	34.758144	179.09589	47.363636	28.489946
DD23	15.507403	123.99664	32.046715	46.810314	207.61194	26.415306	242.83977	11.590324	11.596464
DD24	3.9386806	137.50192	34.71181	44.591393	170.19536	37.3659	103.9966	35.204037	12.366525
DD110	4.9856253	52.868008	29.467888	54.753788	417.40247	30.213007	278.2425	47.75034	11.626524
DD22	5.019416	89.686646	30.915916	70.08473	295.36707	19.358776	115.4458	18.00038	21.512049
DD109	4.511118	55.2268	5.6805787	46.718918	440.49072	10.741874	245.56575	41.018604	12.268566
DD65	1.7465364	147.92178	28.319696	51.596607	94.22913	39.849068	234.13191	26.769848	2.562351
DD66	2.4191191	82.2128	33.885204	59.965584	221.81425	22.45315	368.08813	18.127855	15.54732
DD67	14.01706	60.02617	32.934704	36.453773	694.8149	24.038618	301.86575	55.3806	19.471552
DD69	1.2421645	79.421906	44.092804	38.412167	79.14626	13.91037	405.25433	7.0749903	1.1484143
DD68	0.9121898	124.16196	46.26895	44.412247	428.42007	25.94365	112.59606	29.450048	14.107573
DD25	10.370366	73.1298	36.864506	51.06017	449.51373	30.52955	195.42479	46.50717	21.956121
DD28	8.696993	73.09826	42.060074	46.986095	474.47748	28.538994	199.9116	3.4716759	8.894185
DD29	13.243445	115.18467	36.767746	73.09215	453.23297	24.794348	78.15745	25.422533	22.243402
DD27	5.498186	88.96106	32.342033	61.252354	482.7437	28.0043	63.831955	20.738457	10.982931
DD30	6.983971	135.03065	30.527779	79.801956	590.78687	43.26306	86.80461	24.97045	10.199538

## Cont'd Supplementary Table 2

Animal	1391150_at	1391112_at	1391041_at	1390979_at	1390906_at	1390835_at	1390813_at	1390789_at	1390777_at
DD81	13.229438	31.493729	52.61137	50.66294	73.412	6.5415072	26.996504	125.88459	165.64159
DD84	19.834272	51.11877	55.871986	69.903305	69.89677	3.3505323	28.939642	85.303894	182.138
DD85	16.549898	62.652424	54.478886	70.48047	66.47293	0.9677669	21.835558	99.98846	159.99687
DD86	9.576746	32.592354	58.53017	56.660698	53.440216	1.1773564	30.601364	105.06286	133.71423
DD83	11.783721	59.49119	59.2815	59.76498	68.633865	12.398336	32.005478	115.69022	201.35405
DD41	10.86511	14.06398	38.407284	61.88213	212.144	1.9487997	116.59386	163.1635	135.3573
DD42	7.8695965	11.448592	51.942	59.31816	223.39145	2.0649347	113.94098	148.82574	203.56915
DD43	9.36863	15.291671	49.964424	71.43699	222.88602	7.3530087	93.464966	158.23718	165.11754
DD44	11.674236	6.012329	36.070637	72.71471	166.28261	4.1550074	64.3606	149.84865	160.7058
DD87	14.712863	5.1937156	36.437084	60.660633	209.11232	12.294328	94.190895	159.82881	189.02353
DD2	5.509222	29.482721	11.604301	47.61405	181.60284	2.3576663	32.929287	313.77023	235.29591
DD3	10.637014	28.94087	35.272457	59.963818	249.66887	1.9641588	63.39639	253.44453	230.89345
DD89	14.403826	25.703642	45.8527	71.32413	287.8266	3.6339426	130.0849	216.69563	248.86145
DD90	10.306332	11.575325	41.61079	40.395397	269.43045	2.1080258	102.73711	253.13533	237.70567
DD4	17.199688	9.972358	39.63268	57.765938	259.65918	11.14393	96.50959	270.3638	160.35501
DD47	14.118382	14.003022	24.907698	83.616486	190.34868	3.4927757	53.26062	200.67305	241.74939
DD48	11.62864	12.632007	15.462444	98.82521	180.17819	16.258808	71.69271	250.34808	213.25708
DD49	8.587616	27.738897	33.592594	94.01966	175.6118	1.0451252	68.95009	212.0647	332.2925
DD50	13.602628	20.041986	60.07278	89.37646	244.15622	3.0413406	86.61042	237.11662	261.55927
DD46	21.278807	7.036713	15.551453	56.545258	229.83696	3.2224126	78.4638	207.5371	194.10713
DD6	15.586723	25.476349	24.384892	87.17762	232.56012	1.6248764	51.300343	240.40482	256.03778
DD7	19.524971	9.598966	37.303123	81.84111	250.90297	1.1115129	59.383312	225.51846	266.77805
DD8	21.224562	14.281323	41.97889	73.45507	239.69826	1.3546962	54.501366	219.81123	250.3922
DD5	17.876873	9.855045	38.14124	74.55613	181.49995	2.0889282	95.17498	260.24295	206.97076
DD9	18.429752	15.273201	23.302902	100.30269	194.637	6.4249434	38.456474	241.28674	263.27048
DD103	42.961807	24.562273	114.60941	13.247156	184.75482	62.68727	167.5021	42.46319	114.39247
DD101	23.104193	35.62349	123.36295	36.035767	56.267723	47.741875	150.61873	63.0134	112.37396
DD102	32.22963	22.87182	140.05087	18.09827	131.01297	63.782608	184.08147	46.062096	110.00307
DD105	21.615927	18.851967	120.01337	22.95541	56.75373	61.434856	211.85242	74.898315	201.50595
DD106	38.21339	24.405474	127.82388	36.534077	55.71208	46.155327	169.5367	49.69464	89.04122
DD62	26.104456	14.489221	112.22862	13.63843	84.13121	81.85661	62.92735	126.89122	33.726055
DD64	29.96684	8.038616	117.44918	25.301493	60.613132	66.26717	106.91316	193.94485	124.46179
DD107	27.269339	4.17668	127.90897	17.047485	69.225815	65.17642	271.6436	55.737286	58.439156
DD108	33.94039	8.655047	114.63515	3.4946353	146.41809	98.95176	223.01033	63.857708	197.89705
DD63	49.67614	28.329605	96.554436	18.563904	54.315857	80.166794	132.46854	70.433014	93.277695
DD23	31.73645	26.65497	91.797066	20.978468	119.13552	181.29492	175.55641	137.63092	160.93103
DD24	42.918648	15.394849	118.23663	16.85974	137.72137	153.72649	119.21053	109.23264	63.216698
DD110	43.694263	6.833875	120.30348	38.44035	46.480938	134.3288	37.06154	119.49321	26.41947
DD22	42.957188	6.019918	112.89105	29.09759	41.856552	96.69139	170.50577	113.64025	136.32724
DD109	31.138794	2.1502302	141.64792	42.88469	59.92901	36.61928	258.4668	162.3473	161.15437
DD65	109.73579	4.1386943	135.00858	24.051083	122.66985	94.93177	198.84685	140.01776	248.21202
DD66	41.379223	4.7721	81.88217	24.770664	46.5464	34.911987	146.37845	107.61331	164.75352
DD67	27.825495	5.215916	122.80383	22.994131	105.1195	41.864475	91.205574	213.98154	272.25967
DD69	53.87109	17.312328	115.2843	14.456931	63.00219	67.18115	225.80063	146.15038	238.02405
DD68	51.24489	19.114117	108.29752	3.0049648	98.74659	62.848312	119.08539	132.83571	233.52206
DD25	53.5275	27.367168	107.68515	15.053372	93.00755	163.02704	51.776707	133.15848	53.86639
DD28	43.590237	21.332691	100.82433	4.209511	31.870346	74.09935	79.00758	121.9349	152.45746
DD29	87.55483	13.977062	86.54866	44.284527	108.23034	57.44597	209.44812	140.13322	66.889786
DD27	27.23986	12.941759	106.0306	23.140825	113.51743	148.4073	57.429745	107.14784	240.7612
DD30	41.601135	7.1521735	109.13813	25.398146	53.28731	56.401432	121.33922	133.37631	226.88428

## Cont'd Supplementary Table 2

Animal	1390749_at	1390722_at	1390562_s_	1390530_at	1390491_at	1390414_at	1390284_at	1389935_at	1389918_at
DD81	14.310925	96.71161	11.418505	23.836702	39.671207	90.113556	145.3548	63.36268	136.30827
DD84	6.0788383	108.80979	21.874584	17.066433	60.65912	91.813965	107.99236	63.229702	80.59437
DD85	14.911988	93.50635	14.850606	17.934443	54.72964	81.85535	110.05676	55.32689	147.03386
DD86	16.252789	76.7547	12.288945	21.422817	39.664696	93.87842	90.14899	59.22514	95.020355
DD83	13.05907	84.32883	13.338013	20.041342	53.437687	82.49309	100.21274	79.11608	112.83157
DD41	45.102436	71.22222	21.742548	25.279793	73.235916	195.16315	124.70836	65.42923	1493.6794
DD42	20.584805	57.90987	14.582862	18.728437	67.91073	182.90411	77.50787	62.474014	1428.771
DD43	12.505775	93.05495	12.971434	11.884255	42.908695	273.4351	138.92744	89.511	815.5195
DD44	14.860943	34.59122	25.716152	15.383621	28.544895	156.89738	117.80296	76.95167	322.9704
DD87	19.24256	73.21686	18.201208	22.40772	67.83232	232.94807	125.80957	92.310814	1110.1725
DD2	2.2728386	47.80746	22.801735	6.9850845	65.513435	142.5281	118.312	69.7922	218.55946
DD3	3.5332506	67.24862	62.761196	9.372375	48.0123	369.93454	157.14764	58.74293	683.88025
DD89	60.90315	74.12584	54.139435	16.95872	92.48518	490.49777	103.76623	63.014484	1205.3761
DD90	50.030327	82.320435	34.0576	20.34777	79.109985	423.6897	110.56603	67.59747	910.5055
DD4	39.78386	68.06899	32.305527	22.309757	60.56561	360.944	105.33584	65.49262	652.8626
DD47	11.254345	60.01489	32.005795	16.92323	77.972015	216.581	105.84688	97.06657	564.04004
DD48	33.633667	45.175186	29.40171	18.841986	42.71017	251.5516	143.96704	111.01498	338.07162
DD49	35.97209	175.59589	28.895603	23.749374	113.76149	382.97583	84.19242	65.18434	727.4036
DD50	24.094263	100.82651	36.997623	13.447901	35.722614	382.503	105.76763	113.5379	591.03406
DD46	37.69702	85.64573	33.900467	23.589146	80.222595	353.3888	114.62582	68.29599	631.82733
DD6	34.765877	89.05518	27.780216	14.456454	134.42664	463.56558	98.750626	68.62125	413.93558
DD7	20.97074	89.6967	29.562584	19.159077	104.71775	413.89343	116.86939	65.33813	496.9527
DD8	8.350538	111.29982	48.89674	17.993235	98.61489	372.51962	109.81387	44.84061	356.02753
DD5	19.175129	67.58987	35.19169	24.351498	30.328543	344.7264	119.62629	37.891823	451.25433
DD9	2.0171933	127.2924	40.221596	13.098627	97.995636	302.9694	109.77763	78.07264	256.2383
DD103	36.586617	71.80961	1.923854	49.550003	7.8301277	132.73636	33.51839	7.652259	2006.9934
DD101	20.966244	1640.245	7.69374	45.334835	48.65345	151.3426	121.6976	6.515199	1474.1696
DD102	23.87094	67.782936	24.793352	47.789387	25.282654	129.35442	36.78561	13.414472	2449.0125
DD105	36.207645	1783.5531	1.4195993	44.27696	47.806984	142.08601	52.03633	9.168772	2450.6353
DD106	38.176075	1890.9761	10.216192	52.27962	12.761261	153.93636	120.95811	7.676691	1921.6436
DD62	13.528099	755.07825	12.427624	30.526926	43.531467	84.37172	84.68888	11.672131	748.2432
DD64	13.891159	810.4788	8.357437	41.725143	30.160294	153.08437	106.62971	31.128963	981.6109
DD107	38.89777	847.6189	12.192767	48.44329	44.710117	116.56258	37.894382	7.7331243	2426.5146
DD108	53.165627	951.7933	20.453676	30.550076	22.447226	88.166405	33.19117	11.153371	2827.9348
DD63	21.560427	48.02768	14.351038	54.92346	34.336975	117.34309	27.433107	8.847058	1083.4438
DD23	31.587475	841.50977	15.451719	32.2734	35.125168	132.45209	77.21662	6.873169	2273.0276
DD24	55.198494	890.54	27.856918	34.738438	7.4799438	135.20052	140.85477	8.488958	2084.4844
DD110	29.436195	835.3194	18.62838	35.488056	3.7075408	72.59589	127.96158	15.456055	529.974
DD22	45.553787	1361.2017	3.9276755	40.14902	24.01014	117.80467	139.64604	10.69873	971.1666
DD109	21.633007	40.866165	17.322432	25.531603	45.335026	168.31209	108.53579	6.117218	1018.4943
DD65	41.416298	1073.9247	2.7995334	42.242756	92.13124	246.52948	63.148823	4.530292	2732.181
DD66	42.010857	874.80536	1.5300186	23.139608	62.59396	156.4779	85.96489	6.163095	1512.3317
DD67	39.6611	1106.7882	14.971902	28.689587	63.544376	114.32237	81.8228	42.165066	830.9362
DD69	38.44937	54.63975	26.612541	22.227304	71.06457	138.08571	42.54871	8.605807	1378.3837
DD68	20.89711	1786.9473	18.23778	34.348377	74.70734	125.03965	17.690708	1.6415888	1238.0828
DD25	36.968925	952.4075	26.46524	25.319489	19.506239	93.975815	61.69166	54.657146	947.2401
DD28	11.654306	1887.8821	2.0635467	34.920128	31.497992	66.38203	39.790073	2.9226375	807.83075
DD29	42.588894	105.68226	20.204235	33.543484	10.563833	152.94592	87.890205	20.622461	1087.3914
DD27	22.118027	971.0303	12.251581	40.331863	119.79485	94.18088	67.37675	43.73168	1418.1003
DD30	25.889393	2001.065	3.9058034	23.711044	26.056568	95.81968	45.197613	5.418425	1805.6107

## Cont'd Supplementary Table 2

Animal	1389734_x_	1389651_at	1389467_at	1389409_at	1389369_at	1389142_at	1389093_at	1389086_at	1388654_at
DD81	54.894066	277.64606	865.13965	32.867874	40.432255	204.04146	119.35389	112.41173	138.87695
DD84	46.64102	290.02597	691.80756	56.01612	49.5012	202.4233	131.43808	108.0752	139.74211
DD85	53.15231	257.7959	593.24365	40.777473	48.7174	226.77287	149.05109	91.283844	186.10793
DD86	56.89195	282.10028	605.1192	39.26959	42.33342	206.43124	128.76732	105.55143	189.34966
DD83	46.973083	245.03328	649.6237	27.470892	59.466034	257.76746	125.45474	106.05611	96.91289
DD41	30.032667	160.88841	522.88776	22.391941	38.080444	286.4874	72.48386	100.09116	168.0105
DD42	48.60037	107.9111	600.45306	7.4082127	48.68508	297.82056	62.8708	107.07282	148.89885
DD43	34.927864	88.147026	784.43646	30.183256	37.975746	287.7537	71.19105	76.668236	81.600075
DD44	39.828922	143.77025	737.1438	36.816708	38.311047	280.42242	60.95914	83.00869	127.99152
DD87	45.176918	86.97851	511.69095	39.218693	67.18472	380.2482	88.26871	91.69056	144.00607
DD2	46.018	51.232452	363.643	24.001068	47.754086	473.97775	40.07687	116.14852	147.50395
DD3	48.18985	52.822365	401.87247	28.383146	45.98448	400.6759	47.043552	95.944275	97.184906
DD89	38.204575	38.89501	618.82025	38.645008	61.847736	431.05417	52.595154	108.59718	112.1626
DD90	53.785004	45.17236	453.12738	28.744352	50.970943	363.3159	63.039894	76.87003	118.98565
DD4	51.825375	44.352425	442.75925	38.820045	17.469412	454.38165	52.780457	129.35022	103.78352
DD47	41.25894	37.837704	537.8058	36.294697	30.421724	487.669	41.013218	114.26093	138.04747
DD48	59.574234	31.385576	648.61865	26.530098	36.445385	455.0637	27.090948	116.539	117.11588
DD49	33.059856	35.834557	369.376	28.312704	50.815502	492.9136	41.396797	100.82998	164.59071
DD50	65.62564	35.622776	452.47162	27.372032	60.676888	553.0612	40.162228	100.85701	147.31151
DD46	39.512733	57.00203	369.8391	6.4932814	9.383587	469.7696	45.125957	147.1284	161.24117
DD6	59.689793	42.357597	269.21765	24.482908	41.20509	684.081	35.44772	95.458115	144.63776
DD7	48.833885	28.823914	378.68063	28.666162	39.397453	529.8165	40.912655	107.63377	104.51499
DD8	49.038155	35.912315	250.64806	31.285084	33.52478	574.5786	27.053986	99.07354	126.58751
DD5	48.27603	48.633793	388.93988	44.50955	33.08394	370.80023	47.439415	77.5929	134.78044
DD9	34.321	29.558918	290.53693	33.754856	49.269115	562.0473	43.05746	106.29345	140.80821
DD103	304.98404	326.96033	301.2657	68.28634	132.50081	144.19255	163.11061	81.01267	81.22257
DD101	112.70079	304.82758	291.57816	70.41699	171.04877	149.04454	173.8999	68.507805	62.02864
DD102	473.38922	294.85336	283.15494	60.590286	114.96513	142.37192	178.98984	65.443985	65.11396
DD105	220.7129	284.2282	351.44046	81.25322	118.33929	144.01129	256.94012	57.470066	62.19352
DD106	96.43275	308.24548	205.47153	45.198166	178.63858	130.73727	134.42114	53.203987	73.82603
DD62	229.19366	284.52972	246.26784	23.372534	124.41171	156.04826	176.1417	39.46032	66.0616
DD64	121.01853	191.16017	196.7563	27.186523	192.56868	168.956	159.10037	54.988697	41.48436
DD107	222.57614	258.59833	197.62355	26.3878	128.69783	179.93254	133.55688	45.19434	49.151722
DD108	255.20537	229.02089	177.2338	44.835434	129.24077	170.76762	141.26334	41.930393	62.59711
DD63	244.92554	223.50322	193.70297	35.451633	104.59433	151.1865	100.16825	49.1531	34.039124
DD23	171.70132	105.5377	197.16183	4.23408	164.356	175.90822	121.52435	33.370766	55.621326
DD24	151.80725	46.781685	281.87573	19.680336	133.82457	205.18646	53.71188	55.763985	9.964585
DD110	178.64375	83.99787	347.60706	26.366013	120.46782	201.14795	164.58812	50.245518	46.643497
DD22	210.18927	55.438663	228.81322	7.927228	110.78234	146.40587	137.6536	54.529495	43.707348
DD109	121.42048	87.76982	280.24725	3.4224956	123.45207	181.61679	91.187454	57.275166	35.610325
DD65	173.27402	61.262856	80.070526	19.483343	243.40334	240.73923	65.0463	57.323017	146.03857
DD66	82.15554	92.627785	90.68218	2.3152707	213.07497	223.91832	103.64339	46.524387	59.647747
DD67	202.16225	77.51076	220.12158	14.605633	121.37684	218.78539	134.40395	53.66807	46.309456
DD69	201.40248	90.15047	124.18489	12.499801	134.7556	222.083	103.23249	64.92213	45.164547
DD68	192.49554	105.76686	56.768803	16.14264	111.10638	179.83578	168.5384	36.804638	53.75254
DD25	169.57332	94.50015	74.04015	6.602375	127.29449	217.9882	85.03902	93.88584	51.14782
DD28	106.05256	76.56406	118.59333	2.7416391	183.59819	217.45284	106.57113	29.723658	60.2363
DD29	207.86166	74.306786	66.87216	15.873383	110.27757	207.53409	104.255	49.82323	55.767784
DD27	26.135733	71.89926	174.67087	13.999904	144.933	207.39944	103.03018	79.735794	72.33056
DD30	20.104378	80.745926	118.8919	4.238162	242.71205	220.41536	88.437515	28.82206	68.47695

## Cont'd Supplementary Table 2

Animal	1388603_a	1388578_at	1388255_x	1388202_at	1388102_at	1388071_x	1387870_at	1387839_at	1387795_at
DD81	2902.8127	434.2174	4.8243275	8.053682	94.129944	387.155	298.02594	6.153264	144.31544
DD84	3040.862	427.06607	9.758844	9.5305805	82.62557	283.4118	518.63837	1.6042991	157.73677
DD85	3102.7493	434.14066	10.658617	1.7115701	95.21552	362.7102	331.11328	11.193729	172.05101
DD86	2905.0896	417.01562	4.0298686	11.898196	94.12414	407.19708	291.97174	11.449606	177.139
DD83	2983.052	408.3738	7.9672337	3.4050355	78.753105	373.95822	507.72687	13.051782	166.93399
DD41	3220.248	397.7338	1.1866643	7.249976	54.68238	415.987	240.72356	13.438036	129.64607
DD42	3537.3162	465.0847	1.4489695	1.1332308	59.126625	301.40112	270.49844	1.5541321	141.6386
DD43	3196.6042	512.76715	7.068097	9.553428	65.635185	369.4709	415.25314	2.0569184	93.0962
DD44	3063.7056	433.78012	12.850875	13.671165	82.28987	308.76785	419.8609	14.829702	138.88908
DD87	3219.298	444.71387	11.020222	2.8740933	40.736645	330.82123	463.30655	14.544666	88.62055
DD2	3159.8323	435.71774	10.169839	4.6225677	25.410395	521.6183	1096.637	8.414576	51.65226
DD3	3205.2585	463.85522	8.888573	7.214656	54.197857	334.2898	400.7029	9.041524	60.26405
DD89	3174.152	463.74295	1.8557683	14.054975	37.83594	266.77325	354.8512	9.715629	52.665432
DD90	2870.1135	475.20773	19.187243	12.640631	58.26589	292.17703	229.57512	13.672601	59.461704
DD4	2897.2246	465.37207	0.8550586	9.469556	55.462906	299.64352	502.0066	10.001964	67.51399
DD47	2901.941	472.0731	8.190168	2.1170135	44.570457	381.94205	231.19125	3.5991814	38.34801
DD48	3434.3335	648.9304	19.776348	15.884516	45.916397	367.91064	494.0885	2.3658628	65.43304
DD49	2925.568	505.35287	8.220104	9.188238	49.104103	261.31696	222.04846	11.375954	52.55564
DD50	3169.7832	518.05505	11.281645	13.57269	36.642742	351.9429	607.77527	11.088438	55.32188
DD46	2996.7693	468.5948	3.3915	13.013431	53.79688	431.17578	453.93097	8.571916	34.896023
DD6	3250.0212	483.1342	10.899447	6.801898	40.156384	333.20572	249.75093	2.4677389	47.29365
DD7	3117.5225	539.21893	6.577693	1.4786142	59.88175	344.7645	341.14835	2.250052	49.1642
DD8	3209.5894	473.27982	3.7797978	3.6026225	67.92303	270.49316	382.65854	2.1783247	36.21888
DD5	3512.344	558.26105	9.003518	1.3108007	72.02939	287.04474	245.07307	4.4297934	74.21689
DD9	3231.3865	525.10266	15.072976	12.720954	47.027615	248.27545	322.98642	10.665277	34.612434
DD103	420.29523	127.28952	25.67161	19.763008	72.90115	1211.8881	140.27013	22.54891	205.55746
DD101	391.3702	145.69293	14.559672	35.092365	202.0574	1473.5898	132.8449	12.849531	245.29062
DD102	382.31937	124.26299	8.127204	9.580175	163.00316	357.7638	133.43599	8.158312	190.98805
DD105	438.09387	126.77058	15.421453	28.337387	104.83525	977.8828	124.2443	13.252771	146.5573
DD106	401.95563	137.05191	9.6676655	37.78469	130.30122	1526.2314	121.04662	6.146901	169.37202
DD62	631.7202	181.70062	17.916784	26.989468	117.90043	1507.2753	210.38676	11.676047	262.1077
DD64	1556.8761	368.16257	49.60157	60.855484	145.00075	2155.2488	397.27332	19.34386	216.50037
DD107	720.69305	163.02802	10.602318	47.106895	120.75177	1400.8385	242.7299	4.1388946	265.13437
DD108	1855.0881	145.57466	33.082634	24.548235	43.54422	1380.5344	199.45406	12.632119	286.63058
DD63	1839.3368	197.96675	39.711147	33.074123	156.47202	1298.94	225.36124	27.241491	230.1779
DD23	1765.2517	197.58391	49.581577	23.507135	100.85076	1150.3213	254.74176	31.645397	165.58081
DD24	736.4233	404.41458	14.631132	19.826838	130.21217	997.6344	215.79619	23.41438	160.64879
DD110	530.2179	411.19403	28.813236	17.99429	144.5157	1254.3054	227.34138	15.86982	212.50017
DD22	744.8255	196.6864	10.674249	14.597994	111.55976	1126.8652	220.54247	13.598909	230.9261
DD109	685.2147	175.8449	57.738346	25.023455	155.98518	1031.8899	203.58498	31.558525	183.2288
DD65	685.30975	418.9564	2.773244	36.178116	123.33728	1197.1653	150.52751	21.893827	144.06262
DD66	782.2656	185.16876	29.845655	39.100655	124.35448	1416.9904	221.46454	27.737093	177.14722
DD67	506.51917	172.25366	7.68959	25.57014	127.76198	1006.4185	190.0125	8.489285	98.65905
DD69	851.9164	139.46129	9.422948	21.089403	96.454056	1101.1947	184.26971	17.244432	135.02023
DD68	750.98865	156.37665	10.716497	22.593227	128.45161	1001.0783	165.44833	20.072275	194.30203
DD25	1793.7064	200.00372	35.527363	19.234602	55.272488	1061.4647	299.4694	23.290499	137.7151
DD28	670.10815	164.16046	7.5524507	21.17614	111.86506	1199.0382	245.34743	26.2415	179.11081
DD29	591.6229	221.53491	17.04569	24.95946	129.81825	1087.6487	284.35556	4.7402544	152.09277
DD27	817.7647	212.2161	46.551506	27.196966	125.28527	1356.8308	252.91985	41.50916	135.90633
DD30	567.82214	224.46329	54.6528	26.152908	138.75743	1238.7327	204.28506	40.94264	117.28872

## Cont'd Supplementary Table 2

Animal	1387366_at	1387348_at	1387296_at	1387060_at	1386941_at	1386855_at	1386770_x_	1386621_at	1386514_at
DD81	126.06867	142.24213	61.217636	11.787746	601.84326	47.58179	13.609503	89.87203	35.482246
DD84	102.10834	113.08093	47.66288	13.782803	486.29782	50.47356	15.389261	97.06624	23.661894
DD85	96.74074	170.1983	57.53941	19.567636	488.70786	48.50131	18.371622	65.35861	30.436623
DD86	112.78854	114.45847	60.29774	8.729057	737.4486	46.121613	18.247715	96.36925	12.011872
DD83	103.02976	137.00624	66.44576	11.436582	551.69336	61.000107	24.61603	79.2141	23.400967
DD41	103.09731	356.17004	79.13518	105.49217	333.94083	45.985394	13.984127	108.18289	28.31251
DD42	102.43968	392.2809	52.38752	110.15802	431.9271	64.465324	25.085213	83.40782	38.444653
DD43	121.19176	228.30095	55.43959	147.8124	368.0994	26.935379	26.050945	110.27859	69.81589
DD44	148.43152	309.5868	45.92783	49.04677	413.56943	43.25616	14.492332	142.32341	19.24172
DD87	96.81963	225.16594	60.55016	73.019295	394.9466	52.931152	19.310701	111.38857	34.85269
DD2	190.13142	104.3136	47.440395	84.179115	511.7824	42.921124	13.581817	94.72437	35.888794
DD3	166.48032	110.2747	66.52723	128.33327	374.0113	65.84815	23.007591	116.71439	64.91531
DD89	192.7311	161.55492	59.5038	186.68161	371.83652	49.606125	20.408068	124.43636	46.61982
DD90	136.6599	106.28381	58.288925	116.26974	380.39548	46.558533	25.468464	110.78732	50.673443
DD4	160.19643	114.8945	62.168808	162.82986	356.87518	46.877796	22.753086	110.88971	41.155937
DD47	150.69916	118.73885	70.91462	38.96752	379.8334	36.098328	34.473164	99.52474	18.889349
DD48	119.49832	155.57466	47.45464	123.58232	317.6814	33.52181	47.155678	89.31879	52.58401
DD49	97.12989	104.64197	71.44384	85.81963	294.65137	63.228413	34.06121	92.783424	55.53869
DD50	131.2204	98.56669	43.58206	142.72833	386.47217	40.6489	28.620413	80.57179	83.64114
DD46	150.58855	121.85783	70.7842	125.9741	335.3244	46.85017	16.590874	101.18996	80.97282
DD6	156.15836	119.95936	47.14618	73.48993	346.1493	70.70365	31.652384	117.60815	46.445774
DD7	136.05919	140.53508	38.51258	103.44675	460.36615	46.589745	31.258049	114.83801	41.3865
DD8	103.41518	92.9733	66.18273	78.97937	437.92688	43.689236	42.15211	112.52936	36.590218
DD5	124.71265	133.0505	57.038208	101.89188	279.73196	37.28626	21.586622	124.05992	42.919785
DD9	152.9999	109.2485	67.29869	49.966198	361.08255	55.13272	25.575012	90.60848	37.330303
DD103	43.20285	358.37863	161.85204	297.7361	1268.9667	767.59393	11.031155	18.049864	10.571279
DD101	68.07464	348.9229	143.74538	288.9904	1176.8009	623.39294	2.177337	15.314453	6.23714
DD102	49.868927	321.67593	158.43347	360.57657	1213.6234	393.7679	2.1778965	67.00991	1.7246016
DD105	106.12992	346.15845	156.3988	300.6016	1216.47	352.72867	9.516367	49.55258	10.872645
DD106	44.141373	263.16568	158.32578	265.29395	598.43634	631.5268	11.054687	15.358194	9.306219
DD62	57.439396	296.58826	110.19175	216.32448	356.14725	34.12642	12.506909	121.7649	5.1470284
DD64	107.82461	389.7749	148.28976	221.63075	1446.9658	60.6049	1.3173833	129.11487	13.068401
DD107	99.13481	423.7167	171.61351	223.24416	959.9322	263.5752	6.9342294	45.795593	1.8414711
DD108	32.39182	254.88182	154.11456	170.47076	1828.6196	493.47775	23.488941	8.952977	6.5070457
DD63	61.096325	438.28415	102.43475	211.32845	1715.1952	547.36395	2.751728	19.004848	3.2462897
DD23	126.56611	544.9109	161.1351	289.28986	915.9809	281.10443	8.027356	55.40032	19.382198
DD24	69.21533	183.79558	158.81537	355.4022	1644.7616	264.16144	6.3708854	58.021206	18.088614
DD110	49.19895	315.8228	128.52383	186.8902	1803.1146	295.36224	2.8022134	39.065056	10.565928
DD22	60.16669	338.12402	162.80301	160.25038	1550.3464	463.58466	0.8509345	25.97451	6.5910554
DD109	67.78437	305.90265	165.86003	116.45668	1518.5763	453.67612	8.077635	30.840347	5.3660665
DD65	83.33945	446.8953	133.14684	199.03693	1109.2618	521.57556	3.0528197	11.334899	13.951586
DD66	25.234306	262.87646	94.314766	228.40523	1439.0536	194.31155	24.106468	63.36826	11.271646
DD67	50.256287	246.42735	160.51372	280.94238	1539.035	291.45163	1.4915279	32.378757	3.4552276
DD69	48.522324	550.58026	125.12881	239.53926	1321.4315	217.41365	16.524069	50.59814	11.139304
DD68	52.41509	118.17535	159.24556	270.76437	927.62054	454.40854	2.710515	18.244192	14.070906
DD25	177.12527	299.0591	74.61493	179.00731	1420.5573	248.00615	4.760147	47.245438	0.7664423
DD28	53.967575	320.5947	99.049065	308.2658	2360.937	205.08984	17.852877	43.167473	12.717099
DD29	64.80777	168.95581	120.24014	399.72372	897.0009	377.0392	7.3253274	14.614822	9.125371
DD27	59.22256	356.3679	83.86282	253.46297	2346.218	33.39103	8.470436	76.915306	10.613187
DD30	56.14144	280.30157	135.40294	195.87833	944.0307	234.50526	18.766024	35.9456	9.290639

## Cont'd Supplementary Table 2

Animal	1386466_at	1385892_at	1385871_at	1385673_at	1385465_at	1385439_x_	1385275_at	1385099_at	1385014_at
DD81	8.27227	3.6542659	266.5153	132.99258	13.24997	25.175446	2.017476	28.366693	15.616269
DD84	9.247117	5.34661	250.00153	89.78306	3.3275185	19.68119	1.0925738	32.789673	26.221025
DD85	18.096539	13.472178	313.7183	119.68646	14.300623	22.832104	13.439942	28.618862	28.631834
DD86	21.5766	4.027728	207.54892	118.73031	4.546651	21.275476	24.727356	35.285282	21.252249
DD83	12.867025	17.546345	228.73291	104.38665	5.134623	7.262439	21.847757	35.663807	33.228382
DD41	0.999185	22.39835	403.62582	90.37086	13.517018	22.602983	7.0969954	14.786743	36.631325
DD42	9.105811	15.010064	351.14493	130.42273	0.5149312	12.839351	3.4799385	17.319065	22.96632
DD43	7.7116756	23.925499	854.6445	83.774185	3.552819	11.332837	7.872331	8.717582	37.37928
DD44	11.794233	2.0800214	351.0572	124.22462	12.355002	24.96344	2.145415	12.73654	20.14257
DD87	4.8118896	20.065397	350.56558	117.9884	1.2285473	25.235765	5.9094505	9.561946	31.7223
DD2	6.0717473	3.669002	218.04314	42.19737	5.1321735	15.343077	4.2016087	9.901681	23.775574
DD3	0.8508036	5.250383	409.45145	94.70748	12.412986	13.941172	3.629871	8.222347	25.118132
DD89	6.746645	18.13287	430.07874	66.84148	2.0182793	28.520845	3.296105	6.9803677	28.696493
DD90	9.201951	12.499568	467.37888	78.43567	15.3386	11.535788	1.699506	12.468288	33.53904
DD4	9.83059	5.8408213	429.223	94.22595	5.025409	14.874879	7.8162417	13.855841	35.175476
DD47	5.5195913	14.80583	254.77496	83.56057	6.3895097	11.297891	16.303747	0.8733157	32.401264
DD48	11.28976	20.841915	514.287	71.44022	12.317014	7.2611628	9.870817	2.545353	28.811852
DD49	15.822888	30.49854	368.9146	54.14153	12.163962	9.989165	21.36609	17.757704	39.98808
DD50	0.4124436	2.5279417	443.7207	91.763885	13.157906	12.007342	13.501232	1.1158386	29.076643
DD46	7.479019	2.9483073	542.1252	63.88325	13.0053	26.463177	4.2694783	4.9565754	33.581833
DD6	12.688037	9.092555	353.8686	74.98458	8.041459	13.861078	1.4741191	12.672132	47.442066
DD7	5.788476	14.777961	381.70096	75.7548	9.0978155	12.980843	2.2040136	0.8215976	43.59675
DD8	17.41015	3.9434717	422.45865	68.91995	11.333844	16.89402	5.0077143	9.701393	45.29575
DD5	7.638025	4.326155	775.9349	76.14117	12.839518	15.656021	28.23407	0.5506597	39.06077
DD9	6.1486144	5.2761984	290.73077	111.92777	9.882821	21.226583	6.280712	6.864298	46.26542
DD103	31.637245	140.19958	1953.0247	192.94943	20.38064	6.24791	25.557852	49.31736	42.902702
DD101	29.30746	14.888172	1285.8553	210.60457	17.169975	7.0083737	31.012854	28.487804	17.799911
DD102	29.05145	57.842712	1542.9471	178.48822	31.60603	14.729922	32.131615	25.350859	28.119328
DD105	23.934847	26.715176	1556.3633	189.22014	40.394478	11.369782	21.570957	28.475243	12.725373
DD106	31.04791	97.360954	1593.4812	167.17981	19.620815	17.586233	21.91681	26.740578	24.759144
DD62	20.98279	41.888973	1289.8896	202.30936	17.248035	4.6898623	18.141415	9.903443	15.339567
DD64	15.603148	64.02734	1213.5146	159.72774	47.45265	8.027508	29.69601	8.406822	6.824345
DD107	20.40577	69.03564	1346.1047	136.82675	14.078118	16.13256	16.445065	0.7497203	6.3074822
DD108	9.145521	42.935238	1214.8865	219.86252	26.001257	2.0104194	5.6952076	13.552076	17.376976
DD63	12.554042	38.85963	1315.9945	180.40369	16.48019	13.782197	20.079657	3.594941	20.42602
DD23	20.229774	49.298016	900.14514	58.24925	19.876495	11.423369	15.716049	7.634969	8.820557
DD24	12.893889	46.598785	980.62427	157.73875	11.779074	9.377708	34.03619	5.162764	10.697087
DD110	13.389256	56.85902	1082.88	194.21121	6.3986754	10.495355	21.386606	1.3579822	3.5655506
DD22	11.552226	10.536459	874.75037	165.62369	27.120316	14.420894	35.330547	0.7524338	6.646819
DD109	12.704022	69.55971	829.4668	147.27898	40.405663	19.693193	28.788134	1.4267328	20.421537
DD65	14.683143	156.19086	1422.9803	162.9504	28.094585	12.661615	53.288918	1.7364323	8.046208
DD66	7.9832435	40.7118	889.19025	197.97316	17.35452	13.180956	25.559195	0.6740143	16.463638
DD67	21.008862	66.38657	1215.464	91.27641	34.204678	9.849395	17.175953	0.4396039	13.440404
DD69	2.7305079	77.52123	1099.6083	115.56054	30.009829	18.670412	26.213276	1.0220337	15.953603
DD68	15.664359	90.78357	998.0904	165.975	15.841172	14.223655	21.69811	3.4262094	15.048092
DD25	11.669148	126.29895	952.88354	56.168736	38.455803	3.9037693	26.267855	0.4486457	15.846904
DD28	10.235241	114.79253	1005.0436	163.05531	21.390015	13.8947	19.089825	7.547912	11.231545
DD29	11.311367	132.5015	1034.2552	219.52698	35.4517	12.496722	43.445816	5.9458313	13.830802
DD27	1.9491961	64.469505	855.6417	77.85346	29.376894	5.6659446	24.602741	3.3928885	13.094369
DD30	14.47783	159.47072	1211.6428	187.39427	13.27686	6.5979204	18.955914	3.3412633	25.876425

## Cont'd Supplementary Table 2

Animal	1384888_at	1384794_at	1384717_at	1384575_at	1384345_at	1384309_at	1384272_at	1384254_at
DD81	24.026936	15.492188	178.98253	62.861088	86.31304	132.25174	25.707644	547.4547
DD84	18.797281	10.314635	282.3522	58.194775	137.30392	181.72328	20.740532	811.0122
DD85	35.75517	9.099075	238.92485	63.138718	116.46867	144.2473	28.968018	494.10825
DD86	20.735888	16.815187	228.58864	70.17242	141.98468	156.80536	24.538406	642.00165
DD83	26.806265	15.957464	213.20844	57.288334	117.19072	153.19853	15.733827	1107.8873
DD41	32.82178	13.078794	129.2085	57.89448	192.15001	162.66702	37.3393	588.9871
DD42	43.998653	6.6476393	134.23077	87.9407	168.41714	173.41539	25.191763	1394.5961
DD43	34.150703	23.094168	141.05443	84.0182	211.05101	179.77734	31.805643	902.92255
DD44	43.550285	14.240407	188.0859	50.64435	201.12686	167.96858	27.949629	1069.5227
DD87	30.784424	19.074883	160.8464	59.2263	179.58151	144.1147	19.232946	1129.1978
DD2	28.176462	22.242077	167.53874	66.052666	111.18767	146.56616	13.969179	1389.8964
DD3	26.265795	19.627354	163.69487	72.86529	140.56915	191.3519	36.694046	626.3764
DD89	28.732323	23.83799	174.5121	35.42119	118.98881	193.93857	28.903349	747.29755
DD90	23.751446	25.162012	136.82184	71.44896	95.75405	169.56476	35.493904	530.70166
DD4	19.263462	16.590109	136.1275	52.89189	118.39999	179.69478	34.42222	1078.2566
DD47	22.190935	3.9606483	116.05685	52.590946	78.601234	199.42761	38.695248	479.38922
DD48	26.405472	28.119585	101.16818	69.18508	225.3219	196.77159	27.292202	1023.6996
DD49	18.209642	12.679705	170.4989	48.947456	69.862564	212.17435	20.484383	478.3971
DD50	18.029345	22.634846	127.91934	60.004494	122.39093	208.09879	34.39658	728.41315
DD46	38.122353	24.576479	177.30171	66.21847	95.57258	186.04259	36.280804	697.8893
DD6	25.905155	16.43067	137.58353	60.705128	149.01274	216.40195	36.770077	252.50993
DD7	14.206973	17.867203	135.07515	53.423832	109.25719	195.28886	57.312645	530.6876
DD8	32.330544	17.225325	144.75008	77.38465	95.10516	181.35321	38.41182	348.4101
DD5	20.693886	17.946215	129.68953	56.030334	203.08066	210.53563	36.07084	262.67834
DD9	28.407377	19.095798	175.52151	67.87819	99.44423	200.92009	41.45737	402.76642
DD103	29.412987	70.81213	18.963842	136.23357	270.75812	18.500599	25.373404	402.99124
DD101	18.95122	32.40319	23.478952	130.6595	453.80487	69.12038	25.206394	250.29439
DD102	29.400421	62.3115	144.54222	85.1947	262.36926	29.097864	27.424904	768.47406
DD105	35.439686	60.711807	26.204407	118.89671	246.20746	59.36563	23.150803	287.36316
DD106	26.598124	35.77839	150.24594	134.77126	316.57263	141.09053	30.400139	255.03134
DD62	39.112164	46.036434	184.08154	102.61781	478.39072	154.42488	51.907738	908.63367
DD64	39.067196	41.938423	12.377163	148.03232	540.4462	37.11259	50.855713	981.1866
DD107	35.068848	37.337467	166.20988	120.54608	267.94284	72.03311	38.573845	368.8876
DD108	37.621357	36.50105	17.049639	185.54968	245.87407	68.65149	35.182137	391.74744
DD63	43.050148	52.64746	103.58765	116.34808	524.9134	83.44017	42.350544	512.28784
DD23	3.708741	42.924	75.91299	115.19338	170.92436	36.680557	134.00304	597.4573
DD24	25.745283	46.647232	11.778296	130.9109	175.34358	103.43208	88.85901	1168.0037
DD110	32.7364	36.319054	29.419748	164.48366	332.72775	88.76652	86.574196	954.26337
DD22	4.116732	27.005632	19.832203	163.23174	273.36545	115.9033	43.446106	685.2592
DD109	35.021618	32.483677	17.242687	99.92253	255.78099	118.90799	118.81394	405.38748
DD65	22.78898	18.734737	74.42842	113.93047	234.41237	198.70718	77.27457	306.46768
DD66	17.80748	31.740698	93.26184	117.35365	230.97101	104.983	123.51173	323.26538
DD67	26.994787	53.22839	32.698967	87.40312	399.28296	24.994238	59.367718	374.4345
DD69	19.099518	56.70048	20.915937	139.35992	248.36716	37.914375	77.44558	328.9782
DD68	1.0205556	33.653915	90.52741	101.72198	271.9468	28.779491	194.68703	539.6869
DD25	9.970726	23.916105	55.9229	106.67875	134.81128	40.350643	146.86002	290.26666
DD28	14.497183	42.6662	89.57291	121.13156	321.20798	102.437	85.14528	601.9244
DD29	24.749994	39.739132	74.686516	167.85628	298.07153	124.97701	222.1313	489.03595
DD27	20.73769	60.930435	71.36422	149.88516	104.07052	102.65167	106.60384	609.0186
DD30	4.650075	56.58649	114.13358	121.49457	235.8009	23.52199	142.59837	390.5277

**Supplementary Table 2: Raw Intensities of Individual Differentially Regulated Probe Sets**

Animal	Strain	Age	1384143_at	1384104_at	1384058_at	1383977_a_	1383923_at	1383864_at	1383814_at
		(Week)							
DD81	GK	4	42.400173	1.0075545	112.02165	87.60353	3.3339305	1.7060596	70.030655
DD84	GK	4	36.941948	8.542041	85.312416	106.28809	9.834204	11.975027	64.75046
DD85	GK	4	56.97346	2.1552975	91.359146	90.73347	1.6157724	3.2228272	66.1974
DD86	GK	4	26.303776	0.4414047	97.61215	103.01849	15.108046	3.1007402	61.563576
DD83	GK	4	42.97218	2.2008133	69.95659	114.09537	3.3497925	8.570048	85.920135
DD41	GK	8	31.702625	0.5946093	59.59038	97.23428	11.682566	0.5801064	56.00367
DD42	GK	8	54.42713	0.6943286	63.004326	56.42439	17.678988	11.495832	53.772495
DD43	GK	8	40.674953	14.183979	46.66582	107.8726	1.5852394	10.78334	43.2607
DD44	GK	8	42.126904	3.9988286	50.119125	104.39722	6.835534	5.978614	33.50617
DD87	GK	8	38.39489	3.1653466	72.62763	99.3073	2.7143922	1.7040752	54.73573
DD2	GK	12	35.322	7.558259	75.149635	96.829956	1.6549914	11.525789	59.037144
DD3	GK	12	46.39112	6.052285	69.720726	125.92971	3.0755117	10.520287	54.644028
DD89	GK	12	27.33614	0.8150765	47.771755	137.01884	5.0286903	14.596847	50.41076
DD90	GK	12	39.540054	2.9140265	80.85192	104.5341	4.344186	0.7458201	46.77495
DD4	GK	12	32.143177	4.300901	70.25696	143.74585	13.957186	1.4573787	42.825573
DD47	GK	16	16.953579	4.026743	37.61952	105.98669	4.0041046	3.4277158	41.42106
DD48	GK	16	14.068182	5.524368	32.184574	128.76622	14.085961	11.488524	45.185936
DD49	GK	16	38.67004	3.4032464	80.75212	174.39964	3.8765907	6.1126304	61.079777
DD50	GK	16	27.540058	10.122782	60.122295	141.475	5.492476	0.8358386	38.11748
DD46	GK	16	31.830154	1.3410727	79.314354	137.49121	3.0883493	1.8092433	58.853676
DD6	GK	20	20.14419	8.307265	65.969475	148.66435	15.124054	8.354349	55.5754
DD7	GK	20	31.392294	4.56193	50.715355	103.20783	10.395995	17.317049	47.919968
DD8	GK	20	26.146694	4.6214843	68.09406	203.41795	3.1251822	12.529152	44.960907
DD5	GK	20	31.852242	4.7813478	26.407446	129.08527	4.563296	7.1292624	47.832127
DD9	GK	20	34.850594	0.2241772	65.45629	142.77438	4.7144938	5.9867864	74.87506
DD103	WKY	4	10.421473	12.997425	14.186603	75.59699	29.415243	23.544933	118.19926
DD101	WKY	4	26.18589	9.64882	9.814407	51.4977	22.38415	20.485634	100.53893
DD102	WKY	4	27.923346	18.108353	19.181475	44.109783	26.148323	22.305845	123.64206
DD105	WKY	4	11.974647	18.08612	10.145396	53.81379	12.732445	13.153798	131.88084
DD106	WKY	4	31.00227	15.072882	12.960036	60.62002	30.327778	22.14846	100.66356
DD62	WKY	8	7.25581	10.831085	15.940562	27.554676	5.1021304	22.121115	111.51138
DD64	WKY	8	33.749603	12.5902	17.626032	15.746892	26.956785	20.16789	64.07699
DD107	WKY	8	27.586134	25.235125	4.1256313	43.068	37.953247	14.908001	138.00111
DD108	WKY	8	27.337193	15.405048	4.552876	19.93094	18.008434	13.501053	165.49355
DD63	WKY	8	20.582916	24.435406	12.88292	49.520554	10.785878	12.487666	113.1647
DD23	WKY	12	2.9577005	14.159929	8.100425	35.970993	1.5246834	2.3022697	102.61748
DD24	WKY	12	16.968294	22.742205	21.596102	6.6503816	28.028505	13.579607	90.00193
DD110	WKY	12	30.368958	3.9625556	24.974524	37.764374	6.802578	20.306988	76.57114
DD22	WKY	12	22.190468	32.90583	19.153484	38.19888	33.15511	3.2154481	98.19545
DD109	WKY	12	23.278723	23.08541	13.113915	45.0163	29.449478	16.912783	90.8198
DD65	WKY	16	18.983635	20.353476	2.779742	52.388313	31.517763	21.907356	124.65096
DD66	WKY	16	25.683926	21.961803	38.029976	36.23119	24.200333	4.6696744	125.41619
DD67	WKY	16	33.557636	14.561807	13.378607	22.980955	16.271341	14.840266	102.39231
DD69	WKY	16	18.397469	12.447209	10.144868	42.304096	46.4153	1.202303	119.80107
DD68	WKY	16	32.223743	25.1743	14.150769	26.555153	66.414894	23.79331	97.15365
DD25	WKY	20	20.811039	36.03555	42.578224	36.929054	27.838575	4.7070494	118.83539
DD28	WKY	20	13.721203	24.548908	9.645631	27.977186	62.3245	21.41577	97.18639
DD29	WKY	20	2.9217978	15.69453	9.596177	48.273438	53.19948	8.265737	93.2736
DD27	WKY	20	21.404432	16.062876	22.391521	41.1738	40.032845	1.6768658	92.730156
DD30	WKY	20	22.902954	27.68624	13.428181	53.364403	59.597862	15.25042	143.01675

## Cont'd Supplementary Table 2

Animal	1383644_at	1383608_at	1383577_at	1383510_at	1383449_at	1383117_at	1383108_at	1383058_at	1382987_at
DD81	192.35262	107.66954	269.02005	804.64215	1.2579612	289.1985	551.0575	142.4368	4.9788175
DD84	204.32199	445.40912	282.3133	836.3146	10.147043	258.0084	553.8446	180.14928	6.5602813
DD85	212.5994	461.8424	302.31778	1018.7146	10.035492	266.08084	468.74957	246.2018	10.553892
DD86	170.33302	411.80804	272.56726	798.79565	6.3917775	279.2863	527.71576	160.10336	3.0925717
DD83	145.9298	549.41327	267.64468	816.68555	9.87072	237.35411	519.09406	173.13377	3.162887
DD41	292.12485	70.35477	336.87723	1376.6525	7.1976223	236.67947	549.5973	235.85687	15.445454
DD42	173.99716	118.99105	318.85388	1278.7242	22.88137	259.07892	557.2477	210.48543	13.846141
DD43	301.64078	275.98572	321.67142	573.611	19.228342	244.65623	878.2536	163.10455	3.4973733
DD44	254.91566	119.34116	286.51968	1059.2314	8.723257	240.96014	800.0198	156.47914	2.741121
DD87	251.69824	217.82382	318.50934	1213.2307	8.253715	252.29993	600.1507	267.30487	11.520486
DD2	180.92607	417.8459	253.28537	815.1513	10.221038	297.0116	648.6987	235.0907	3.289927
DD3	268.09436	337.30865	280.94296	801.8366	7.035753	290.86295	580.2457	259.05673	2.2337615
DD89	260.72952	127.12192	256.56772	775.1402	20.238504	306.1589	601.8695	204.44199	12.898427
DD90	280.30933	74.55218	304.801	776.93066	16.177944	303.87076	622.0148	239.05185	2.3980587
DD4	223.1356	75.55527	255.88039	694.36176	17.550562	362.21487	575.43933	227.40764	8.377557
DD47	223.8701	60.858353	231.38802	883.7235	5.024888	433.6221	567.0097	318.70645	0.9905227
DD48	161.56314	109.86819	243.86232	267.0928	18.713223	206.35056	928.35266	315.24994	5.6933527
DD49	265.00974	209.63922	299.01498	1186.8694	6.191923	510.7113	480.3996	287.22873	19.86081
DD50	172.37392	58.624825	290.89243	513.09283	2.4746704	378.84366	512.5295	275.94318	5.2038484
DD46	256.08984	137.92429	291.6993	702.56384	15.449437	282.65314	605.4812	291.67154	23.195662
DD6	293.93463	235.42566	296.44128	974.7701	11.136921	439.70148	486.2915	348.3177	4.4208994
DD7	295.46817	75.74874	324.16385	1118.6321	8.745277	280.68793	479.75464	280.35452	4.1443486
DD8	329.6156	106.6397	322.73755	1084.6624	5.7152133	346.17245	469.4864	398.4942	5.1836257
DD5	261.71848	73.56742	319.10947	615.6626	9.458441	251.07384	871.6436	276.52777	13.112964
DD9	215.64388	126.33968	293.85797	1048.9468	16.728468	323.5003	481.80304	342.67224	4.8750496
DD103	151.18315	76.24704	225.1838	53.337204	62.001408	42.213768	221.02396	583.8742	62.180317
DD101	163.7639	49.210815	120.98193	30.845572	36.8034	55.66472	302.41733	684.3977	45.740036
DD102	120.51266	88.39014	152.93616	52.083595	68.06414	54.923405	292.8505	620.7615	50.567226
DD105	111.97311	84.13082	144.55144	47.415794	50.406754	45.7848	298.9248	496.72018	44.741356
DD106	175.41545	57.183346	87.6106	50.83558	50.836388	51.045853	248.02931	686.1406	46.349556
DD62	129.17226	35.91853	88.39431	36.307278	48.61774	52.27422	257.05878	506.09427	24.469625
DD64	165.88936	58.82012	55.591564	42.255253	36.54183	63.161327	311.89127	602.31	7.1211057
DD107	160.26721	60.02105	150.49457	36.3134	46.834007	61.898586	249.87445	475.04327	7.0194993
DD108	88.206665	36.077713	145.83458	33.128864	44.256916	47.42655	228.98691	642.25244	34.39549
DD63	176.1401	66.857346	87.04483	36.493793	46.324566	51.71503	296.39072	554.9705	18.35321
DD23	125.02216	214.68193	109.53241	31.563396	51.922478	52.848896	190.13052	539.0458	23.940228
DD24	117.3151	59.522106	100.34292	75.126854	31.188206	69.99222	208.3746	612.73456	30.991465
DD110	59.489338	75.0153	99.42396	33.906628	27.719133	64.9585	335.70074	693.27606	5.037539
DD22	100.74454	76.279274	95.63061	46.673473	37.081028	54.6903	303.6577	485.41254	26.224493
DD109	139.51569	104.67456	85.026794	57.474396	48.89209	55.935192	287.87457	695.6395	20.585747
DD65	104.91683	104.26742	126.33743	81.86693	75.36831	64.50961	133.46707	929.26324	53.792725
DD66	68.597336	67.45848	179.7895	38.04349	33.27428	62.10798	225.14867	832.5031	25.5839
DD67	190.3379	49.86847	117.72257	50.36309	46.156376	48.058155	351.4989	972.34033	22.959356
DD69	100.76147	91.75484	77.616295	40.370853	62.88868	81.18184	248.80424	837.33923	23.473324
DD68	82.72961	57.23379	84.34221	547.9755	79.0947	47.11005	238.04912	737.6902	24.2951
DD25	86.93552	106.40064	50.24512	48.20236	40.555195	69.9372	157.7385	974.2712	14.366949
DD28	56.352867	91.990776	77.727516	53.17643	41.37642	39.208782	211.24081	887.4932	8.841964
DD29	64.71165	76.286835	99.13914	81.081154	76.52189	50.63567	192.57724	837.7299	21.96259
DD27	31.636986	107.49628	49.65488	66.18571	19.531338	50.31611	184.28188	750.8127	17.62962
DD30	84.36792	147.81587	110.86754	79.935555	19.060888	59.61524	133.83765	1319.1381	22.349545

## Cont'd Supplementary Table 2

Animal	1382956_at	1382926_s_	1382774_at	1382702_at	1382648_at	1382524_at	1382497_at	1382462_at	1382431_at
DD81	35.063576	7.857396	27.47941	11.548236	6.8257675	5.706013	95.25518	184.35228	126.76947
DD84	40.326885	0.9680882	54.492302	17.064358	7.809027	3.8366344	90.16978	177.36589	88.68602
DD85	37.2398	1.7305804	45.1825	10.708047	5.9112506	19.378325	72.73294	154.84	88.94344
DD86	26.002134	9.675671	38.787277	3.3253355	11.772416	7.058975	64.01766	152.11441	99.92707
DD83	38.87144	2.030083	45.5796	2.2859058	13.38228	19.270414	75.98677	170.82521	88.589905
DD41	32.016453	13.294463	18.504322	4.8127446	14.945236	44.322926	139.59889	137.57532	86.68892
DD42	31.185356	6.7372293	3.7779543	5.4505835	19.490356	43.027058	200.90688	163.89565	91.79999
DD43	36.23159	6.6200905	30.204943	16.687948	6.5292683	66.3118	63.05565	117.66302	92.056
DD44	24.69547	2.1245656	26.301994	5.129609	12.69703	38.356255	92.14154	139.35815	88.407074
DD87	28.042255	10.063109	11.025432	21.59598	11.880837	37.866142	181.05927	131.03764	87.5526
DD2	30.099403	2.3423388	2.724749	10.921476	12.965872	15.295978	129.42188	136.44308	80.702995
DD3	29.802677	6.7007008	19.594917	18.992746	17.144493	25.293917	91.71025	116.41023	95.42485
DD89	29.74023	11.649771	22.316637	22.50809	15.487211	35.61184	88.67261	141.10115	118.72528
DD90	36.23055	10.985627	9.724568	3.337206	16.116095	28.081585	88.0836	157.55853	124.16985
DD4	38.519592	17.565222	25.651499	31.847218	27.25071	22.526865	113.52188	143.76372	100.26927
DD47	32.84473	10.644638	5.728307	22.320303	18.05324	16.351149	73.67297	174.63396	109.19236
DD48	24.808153	4.0527587	1.0091921	11.666238	2.0482907	82.34872	79.89517	163.10542	65.27638
DD49	28.485422	0.8951096	22.515097	4.785862	16.778086	19.201262	110.9352	197.988	112.02136
DD50	23.157028	7.18846	19.066761	4.479077	20.408895	32.071335	73.12381	141.63962	116.70567
DD46	28.129639	8.135168	11.030152	2.3868024	25.232466	25.898897	64.62414	138.97475	109.34772
DD6	16.824224	8.128437	19.091137	44.190117	15.873497	34.444096	54.281815	162.20549	99.52934
DD7	32.777847	13.49156	19.378912	17.67163	25.844275	31.07465	120.02615	151.99286	70.9487
DD8	31.9458	10.833911	24.622932	5.2394376	16.24447	26.089495	115.93084	206.05305	118.51095
DD5	18.308825	2.1115706	4.8315015	39.358612	11.517187	51.5768	30.377298	108.17854	104.69009
DD9	27.213863	2.954585	4.306071	18.320501	25.668564	12.652722	100.91921	157.23538	87.97951
DD103	13.914756	28.913593	63.758747	45.777916	10.722536	125.78758	333.10605	52.37282	21.193111
DD101	31.064766	40.43667	51.518642	4.60353	7.253264	127.10687	220.22006	71.39795	27.908005
DD102	28.017742	48.78961	22.787762	65.58144	16.108149	159.8049	387.3714	38.293716	29.173615
DD105	25.319708	23.371784	38.89232	16.175632	10.878201	150.35014	220.32794	49.659824	27.88132
DD106	14.261903	58.67858	50.80689	1.8701718	15.344419	250.45784	193.6474	83.573944	20.924818
DD62	6.170028	41.8575	27.480024	42.475616	1.1551813	79.66912	193.16109	59.57672	21.880028
DD64	8.668622	76.5729	1.3660228	27.368984	2.0645382	48.31728	315.81885	62.095085	42.012302
DD107	6.4401574	38.21207	4.939535	95.60446	2.943604	142.78516	242.90012	61.427425	35.66662
DD108	2.422445	46.181328	3.1376195	89.37084	18.418043	131.54585	314.64905	70.503105	13.185218
DD63	2.4464722	21.068405	1.3617303	28.51657	8.612531	92.17786	239.90222	79.56187	13.971569
DD23	0.9789605	20.301298	21.93746	119.80452	1.4260653	54.579884	364.63098	69.928116	33.862583
DD24	18.206036	47.457485	24.956505	89.59357	3.1929274	91.954025	318.75085	72.55959	9.236685
DD110	15.040326	48.922783	3.6495333	88.256165	3.8599138	106.03542	242.57657	73.43194	32.760864
DD22	16.371239	38.25293	25.451338	68.17786	16.358322	68.34398	291.77484	67.74944	30.949984
DD109	4.0924625	33.527397	4.985814	37.743908	4.8397856	68.02472	135.33443	61.7575	25.767075
DD65	20.890928	24.18139	24.938244	35.740154	1.6838176	54.639217	243.98318	71.51616	21.33534
DD66	0.7194303	37.720036	3.1536236	63.24014	1.1234232	88.30731	279.84598	100.16586	49.95999
DD67	8.455737	1.3204154	2.9108715	41.98646	1.7060367	61.675785	288.26468	66.01356	29.867477
DD69	16.37792	24.725521	0.9205107	63.341686	8.401952	56.40163	280.488	115.49643	37.67655
DD68	4.2295985	10.639702	1.4634458	91.35248	1.3153918	27.894007	357.8779	91.29948	33.81955
DD25	31.800564	21.261576	7.401383	89.41826	2.585271	25.845522	176.27133	82.5702	37.97504
DD28	9.495312	10.28097	5.921736	57.266953	1.0279471	36.788506	499.87296	98.12785	27.344095
DD29	11.569125	30.59774	11.462394	125.76755	4.828366	39.460636	664.7675	70.5211	29.93862
DD27	15.27863	12.781261	4.4272413	119.97109	14.521835	16.12093	467.68753	90.66309	35.88581
DD30	10.751603	1.3515772	8.020417	117.05956	5.583522	28.64218	364.6156	69.4671	24.861065

## Cont'd Supplementary Table 2

Animal	1382368_at	1382308_at	1382291_at	1382205_at	1382193_at	1382089_at	1381990_at	1381961_at	1381940_at
DD81	27.186861	161.24843	1.8585759	14.931726	29.838678	14.957028	91.3027	2.9402177	66.38388
DD84	15.970592	167.17653	8.771206	26.022776	30.322575	22.552925	81.584435	1.0262415	66.06534
DD85	28.721153	160.7622	19.203749	10.355501	29.574228	21.418852	94.329094	2.1486363	84.53106
DD86	33.613953	209.18677	2.1175	18.499184	25.539255	23.696918	77.57563	0.8145278	80.362854
DD83	33.95885	159.73343	9.160964	21.991348	23.601103	4.8022404	98.81257	0.3388261	72.34382
DD41	201.81866	401.80417	4.345392	6.227776	61.943172	8.063577	160.16933	2.241005	60.696087
DD42	182.96191	439.12354	2.6337247	23.406788	59.30471	0.60051	167.20601	4.841317	39.3106
DD43	108.33621	334.13776	2.4786012	13.793022	54.585606	8.648298	137.9133	2.9548748	42.42369
DD44	94.43897	289.38287	18.296713	11.652904	53.59937	11.043574	86.1638	11.010962	41.113518
DD87	186.51917	426.40988	7.055887	4.599684	59.21244	12.285091	126.40781	3.4958425	48.80829
DD2	136.93959	220.61652	3.7063136	18.813332	34.727993	18.199894	115.60058	1.0339489	40.043858
DD3	313.8871	379.98373	5.920729	20.5467	62.04714	3.699629	154.86166	0.528587	46.21494
DD89	363.40106	653.5405	24.061483	15.329915	117.42518	12.337255	163.5577	0.9249719	43.187943
DD90	322.6424	578.4482	19.234686	17.634937	101.93747	8.69155	163.05965	11.068491	58.73291
DD4	279.10504	449.25058	13.998525	18.022522	74.95764	8.515762	139.25247	2.715522	24.704344
DD47	146.10698	439.34824	12.196534	23.915302	51.644993	7.2515564	114.63	8.316362	53.209312
DD48	48.17919	355.73074	2.739259	18.509436	54.120705	14.448853	97.88936	0.3458718	33.27085
DD49	314.25964	388.58197	26.045555	20.33266	46.81584	1.7293062	216.64043	1.0855998	45.839806
DD50	180.97711	354.84427	14.049758	16.411697	86.08603	6.2160416	132.45093	3.428164	42.429504
DD46	282.65967	425.70554	12.154169	26.838734	91.14964	4.0119224	182.54619	0.808123	34.97578
DD6	417.15326	259.1633	16.610802	24.189116	49.572826	12.224498	195.15285	0.1388132	52.2841
DD7	428.0885	304.356	21.972137	10.807868	49.754356	1.3437645	223.77286	0.2207025	48.43538
DD8	370.64597	283.03842	13.230759	16.679613	54.72599	8.143298	235.78891	8.995236	55.64693
DD5	123.22515	402.5736	0.6472377	12.807527	75.49861	0.8636427	135.23251	3.2262242	40.561665
DD9	237.19855	210.7572	4.4596977	16.608175	33.837807	12.063139	153.97615	6.5643396	44.29784
DD103	90.875565	508.0459	88.145645	57.017796	58.868145	46.577057	65.07684	7.225255	40.50106
DD101	52.877415	730.6662	39.138454	42.254578	220.76912	32.91984	58.75992	2.2876883	39.639595
DD102	81.1751	782.19916	63.806812	38.790977	67.52556	34.889725	61.530666	4.3956456	31.526237
DD105	71.3285	565.00195	50.129124	39.842	69.15028	37.065094	72.520294	8.924338	27.318935
DD106	141.27377	804.11584	47.89955	22.349817	222.6616	35.63156	108.17686	8.757634	28.170033
DD62	34.55885	402.44193	37.910355	27.65164	43.43882	1.0024143	30.606102	8.791571	17.58402
DD64	48.147865	638.352	69.68046	21.458649	32.721027	0.6542939	52.946903	7.3878927	15.8475
DD107	149.80598	414.54196	27.00189	33.184807	66.364525	5.8638396	62.676712	1.5099674	22.367033
DD108	57.34147	509.63663	52.18899	18.46046	52.106174	12.877307	32.172573	1.7539581	40.6921
DD63	68.24494	440.78256	33.092274	32.350044	52.305134	13.802556	49.374413	8.20813	25.557938
DD23	255.90343	1244.8793	36.307304	42.00932	193.07735	6.1963463	52.39381	1.6990726	14.008039
DD24	243.08693	927.60754	16.089972	43.187664	196.42534	12.894723	59.15586	5.639257	16.340078
DD110	76.43818	603.27783	26.573359	33.09175	155.39429	9.751125	49.680363	6.179554	20.339182
DD22	92.85537	798.4094	53.650074	27.319754	197.99141	2.6852744	46.367786	4.958222	16.302044
DD109	170.84732	742.8222	36.381336	62.922634	259.63074	7.189724	33.233475	5.8453426	5.926847
DD65	288.02463	968.888	49.949272	35.90517	118.41612	7.165698	40.513294	2.4669378	21.094189
DD66	246.82472	402.7715	38.316227	30.055717	121.42039	1.880137	58.997307	10.251999	17.471684
DD67	216.40244	518.07947	56.12902	33.403297	164.87256	7.351072	63.005814	1.2116517	15.877821
DD69	100.45212	1217.1954	54.252705	14.032105	153.57439	0.9652786	80.75996	4.2959566	10.890533
DD68	418.06598	874.60925	37.972206	44.563656	156.4236	1.1594738	73.597626	7.9967914	17.819632
DD25	48.18997	712.61786	57.414913	36.398907	141.69873	3.5097363	61.50828	0.2454994	22.478756
DD28	136.4805	848.3044	41.16525	33.15481	41.786354	0.7355868	58.162987	0.2960382	13.207877
DD29	86.45465	964.4775	56.189106	28.556423	189.17525	4.111924	38.250156	0.1960598	22.13464
DD27	134.73938	843.8689	35.631115	58.717915	279.9086	17.119942	38.654144	14.189665	13.213371
DD30	283.57834	1006.2027	81.042175	42.469234	71.74147	1.2845849	83.009315	0.203119	22.356438

## Cont'd Supplementary Table 2

Animal	1381626_at	1381590_at	1381508_at	1381503_at	1381445_at	1381434_s_	1381414_at	1381386_at	1381218_at
DD81	35.867435	21.976423	39.402576	67.46505	90.633606	40.83636	83.61634	23.442722	14.196384
DD84	36.735847	4.840971	24.760532	37.561703	109.44811	60.6822	59.17841	15.759784	17.342833
DD85	39.945595	9.428937	39.767136	37.722775	109.41736	61.98376	82.54363	12.914235	8.126489
DD86	32.726917	15.32942	45.931118	64.901	117.72643	51.832706	57.079033	19.366493	14.122318
DD83	31.420834	4.1854105	28.72556	65.10773	117.67621	51.413517	71.97757	24.176481	18.230707
DD41	35.01037	20.67299	31.67153	83.404015	130.4227	15.884881	105.91376	19.053083	18.787502
DD42	28.357395	20.08472	30.889872	70.374115	111.95263	26.433819	73.33388	6.8124266	19.97009
DD43	19.531853	12.120049	28.636108	36.071255	158.99489	31.05544	88.4419	13.636473	18.907637
DD44	29.829079	18.060558	33.866184	55.34059	130.29999	35.11251	75.165146	16.295101	12.35027
DD87	38.949947	30.554169	32.327587	67.41923	172.96368	24.926634	78.87052	16.654747	23.874655
DD2	42.435936	30.003345	41.24101	46.449585	179.00648	5.569736	61.772327	29.211468	23.066948
DD3	37.55497	7.2789307	26.798595	22.785797	278.6639	9.316962	72.20795	33.36412	25.942776
DD89	30.064905	38.58876	23.574675	24.198626	290.94254	22.072193	97.33017	25.123604	19.35401
DD90	40.323154	24.018621	35.468937	26.734003	335.7202	12.940012	95.62887	20.360594	17.523504
DD4	30.247063	21.4643	12.748761	23.131065	231.98479	19.810911	78.8702	20.062479	19.362955
DD47	36.788082	21.500597	29.323914	7.0256658	209.3776	8.105437	59.564087	22.024359	10.213404
DD48	18.040821	10.746239	70.73651	47.407093	148.71468	16.92053	52.03648	8.702397	0.7082247
DD49	44.840206	21.224535	33.062565	36.045536	171.06189	15.509467	71.04482	16.455711	15.013414
DD50	32.083096	19.155941	22.343924	38.057785	196.84729	7.513532	63.752464	15.836309	10.112847
DD46	24.552843	7.514098	29.391233	53.488255	259.65295	2.4626155	75.13605	15.578221	43.793133
DD6	48.817135	16.528412	33.810333	21.089367	266.7786	17.663462	91.08347	25.878353	22.743647
DD7	35.72855	14.234888	35.921223	26.133177	277.27206	12.087943	101.17542	31.283949	24.04313
DD8	50.937317	12.664242	16.182278	25.388563	231.24612	25.809416	102.97434	25.990906	27.590105
DD5	40.098076	5.8266797	21.051975	38.607807	259.07938	12.297594	72.78785	14.80619	14.214077
DD9	43.250126	12.876318	34.748436	13.009737	221.12785	21.075611	86.377495	12.551072	22.075632
DD103	23.28278	52.701447	154.88885	185.93321	406.99704	8.111033	63.80019	37.507114	55.546753
DD101	15.503147	31.503962	190.60187	157.55911	351.21802	3.9199877	37.641132	70.43498	30.949337
DD102	15.36533	66.76432	232.06488	169.51671	383.49307	39.8909	43.012188	41.34548	45.177307
DD105	14.993449	39.93174	234.42836	163.72562	337.9805	25.13668	29.883266	40.400177	48.163807
DD106	0.8894652	58.13359	152.60832	178.88885	417.76917	1.7290739	38.972237	39.812485	37.070427
DD62	6.874009	26.129723	26.889807	173.03958	333.52393	3.9700954	32.934406	57.286583	48.87228
DD64	2.60333	35.736942	117.41929	178.42664	237.0737	2.2526665	32.865887	26.812717	50.204494
DD107	1.3901528	44.465176	208.14291	261.61594	371.08237	21.895292	39.757893	70.48685	63.65038
DD108	11.101917	50.961052	94.77852	205.1087	316.5495	4.6586494	14.289582	54.628616	36.466465
DD63	7.9812093	33.20307	176.98418	157.55455	378.5597	13.060902	27.250004	41.298183	69.391594
DD23	3.8845253	49.18541	17.480713	42.82053	436.74704	1.1375022	32.134186	43.467716	60.547806
DD24	11.345493	43.859028	194.60336	44.206375	304.94345	4.6173368	35.153385	76.62469	60.255753
DD110	0.9667428	43.450493	293.90637	198.51518	220.3076	2.2349842	19.204292	65.00659	40.783504
DD22	5.510238	45.736286	164.75868	138.61557	355.55902	1.688514	28.364143	63.799236	32.16725
DD109	13.953897	28.352657	196.8578	97.69246	346.97745	2.3653185	18.909946	60.93545	35.268612
DD65	2.7650812	47.57259	166.92108	82.794464	678.689	0.8435082	58.38202	31.784197	39.90938
DD66	1.3587776	40.352184	160.01614	46.72781	520.53906	1.1335217	18.179655	53.427967	36.647095
DD67	0.9892273	43.25772	183.6763	237.84955	304.1387	1.4922953	33.307484	80.05861	66.984535
DD69	4.4313335	49.889935	141.77167	68.5427	512.4091	6.3226013	20.787025	19.681702	59.995304
DD68	1.1228073	71.7784	136.0728	58.665455	596.89453	15.850867	18.620071	45.014988	65.20007
DD25	3.7993484	69.62936	137.93663	50.161842	615.04254	12.542212	36.258003	67.04204	50.652237
DD28	0.861995	53.572456	151.03133	65.181595	540.97	9.436638	16.208176	49.843353	52.84937
DD29	8.626707	63.84612	123.93359	40.378086	571.9961	3.3063943	27.586035	56.360615	59.19048
DD27	2.1952643	50.957024	35.403343	48.736023	615.5633	2.2387717	22.38973	22.0596	43.363766
DD30	0.7529922	55.92239	228.40051	51.42905	647.45447	1.4527631	26.164911	63.951916	39.66839

## Cont'd Supplementary Table 2

Animal	1380981_at	1380948_at	1380799_at	1380782_at	1380651_at	1380557_at	1380432_at	1380399_at	1380165_at
DD81	14.989585	850.28345	7.2293563	12.698303	19.13321	44.9382	19.768757	27.69682	82.83916
DD84	22.047804	860.4645	27.87723	13.158892	38.05099	44.500126	29.947031	27.816439	111.10307
DD85	29.22867	797.50854	21.786573	14.297215	37.1875	33.95352	22.805231	20.024525	62.352383
DD86	10.761701	629.3851	19.411526	17.134716	34.375202	65.67997	22.72401	17.287018	70.78405
DD83	15.266749	714.77185	24.20673	4.169506	31.05227	41.447544	28.553007	12.873482	70.102936
DD41	138.02586	699.76306	21.094776	17.694206	11.077129	41.727016	28.116962	22.368921	65.46887
DD42	115.40983	639.4264	31.363312	24.321823	8.635295	28.623594	17.85762	10.836712	50.638687
DD43	209.68378	490.8873	31.224554	30.453314	28.746435	28.927784	31.713762	27.395264	47.476772
DD44	60.367756	321.50296	28.49082	16.286766	28.759829	30.816929	25.039993	21.786194	59.988102
DD87	144.54427	576.1616	12.13191	25.296986	2.4071417	34.332558	37.979717	32.299038	59.372887
DD2	69.872696	367.13824	30.937113	31.670732	16.213545	38.410885	42.147816	64.501945	62.71262
DD3	203.94298	417.04733	13.6312	33.46984	7.354963	44.559372	34.745872	31.017584	37.467884
DD89	273.05328	286.73975	23.973257	53.39606	22.244968	54.72019	35.53075	13.439446	50.903034
DD90	233.67708	397.4088	19.441137	48.005516	5.498158	66.3442	27.404112	35.769753	36.785263
DD4	206.34576	384.2317	15.907218	36.364502	33.28661	38.779305	22.936756	26.055431	40.368496
DD47	136.60403	322.18182	5.976358	25.324045	27.739439	47.397514	21.261015	5.1576095	44.430996
DD48	212.09015	294.13034	53.181763	25.650915	21.355328	41.080917	32.00414	31.591938	27.447416
DD49	178.5972	506.8336	14.051587	29.997658	0.7577009	23.967924	39.82821	41.312557	53.865616
DD50	166.95529	320.37198	21.15041	21.381174	16.392643	34.061596	31.060352	10.66926	41.615894
DD46	231.6167	405.94113	8.691537	41.02818	9.855517	49.40014	40.688828	44.57667	38.138596
DD6	165.1959	504.52002	21.331936	24.027903	1.8686324	47.618378	23.434717	24.947792	42.940956
DD7	185.52103	471.64413	9.196731	48.06679	12.026315	33.732887	19.133694	26.302265	42.385567
DD8	141.26009	574.5805	16.130457	31.9524	10.442418	46.16498	20.4132	29.032883	41.232605
DD5	244.94302	358.58252	23.1847	25.512362	28.122995	32.92693	30.072819	20.59302	28.241367
DD9	77.268135	482.26318	10.060236	28.503866	1.8204923	58.779987	29.248804	45.405426	41.869534
DD103	231.013	157.36209	24.436108	86.22825	12.220512	39.401333	5.1202464	59.20679	10.965572
DD101	64.2728	2626.7283	22.75809	59.66034	52.053158	26.00229	12.081147	50.71097	7.0923758
DD102	155.4186	1397.7023	21.446583	86.75901	18.51492	47.12032	15.425035	60.301495	11.636965
DD105	111.67902	122.09569	27.398014	85.23329	36.571907	29.813261	8.474451	74.431526	40.94963
DD106	69.756714	2729.1755	2.8406048	68.98693	24.196709	33.95177	9.642506	85.33659	5.0128107
DD62	42.983624	1493.2404	6.235926	58.97243	151.86526	5.948123	17.803574	45.22649	1.9385583
DD64	41.867832	134.43991	8.510321	55.09507	99.953636	29.696512	12.810167	45.074734	41.333523
DD107	132.31084	110.64257	21.067514	45.177357	52.33346	1.7200516	18.115345	49.56595	4.872159
DD108	134.33275	2054.6946	2.9939675	77.46	25.248568	16.235098	23.743643	38.459072	6.569503
DD63	35.542725	2765.4534	18.186073	95.49461	46.00168	30.699207	12.089346	49.795635	23.211882
DD23	117.37651	1190.5388	10.411789	49.2693	78.94739	24.190699	11.669456	49.668182	26.592522
DD24	77.72867	1132.1296	11.954263	78.493515	92.13364	5.4435043	20.157763	31.909029	30.573477
DD110	31.995077	1225.7805	19.061987	46.170013	74.994026	5.7611446	15.267606	30.055958	1.3283082
DD22	23.912537	2703.0654	15.077301	82.62304	40.28655	17.441782	11.86884	33.697716	16.116138
DD109	35.469448	113.81701	15.339977	64.41574	38.750496	6.5287666	16.937368	37.75163	21.98732
DD65	129.54169	214.07556	0.6873205	66.201454	52.09547	35.310143	1.6832637	81.9488	7.4531465
DD66	59.08141	1013.5339	1.2480401	85.41482	50.638474	47.573917	15.533052	70.03711	4.5702477
DD67	44.349533	2066.194	20.469511	36.910885	49.517544	18.561377	16.169764	47.869537	50.819363
DD69	77.737015	73.99983	1.3187633	79.92815	190.91434	18.904005	14.46816	51.54267	22.734463
DD68	65.99681	1515.8265	6.664621	59.97069	86.74579	20.180307	16.792366	41.700462	17.314014
DD25	42.963882	1597.2996	2.0809958	71.39046	10.047026	18.317009	13.707195	50.068157	33.806667
DD28	33.50954	130.75064	17.648832	51.916027	136.9944	13.379835	12.094996	19.030024	8.921392
DD29	60.451267	1352.763	0.9036216	84.67106	160.04346	21.961184	9.756557	44.1891	15.022849
DD27	125.6708	1358.705	2.3986917	60.3112	1.6545802	14.474995	20.784576	55.584915	31.964624
DD30	100.12954	1962.7142	3.4119365	87.66949	54.772892	30.282734	14.583281	33.360016	6.876347

## Cont'd Supplementary Table 2

Animal	1380094_a_	1379965_at	1379929_at	1379859_at	1379818_at	1379747_at	1379744_at	1379735_at	1379615_at
DD81	239.16692	53.51751	69.31085	142.21265	78.05424	2.23356	2.100653	3.5191002	15.230938
DD84	172.5453	43.264633	62.955276	133.5456	94.41543	9.102011	1.5690572	0.3635114	31.113693
DD85	223.12202	38.27425	54.1131	143.15244	82.82361	5.8875213	8.109858	2.1836102	22.664234
DD86	190.28188	59.77739	59.348633	136.44562	95.443085	8.500949	8.070962	2.9155064	16.197811
DD83	197.41388	40.329086	53.894108	124.68935	86.959785	1.7579423	3.3566554	6.3349633	14.499331
DD41	217.16557	62.62609	72.625565	139.3395	83.8929	4.1060376	16.76481	1.3611336	20.573996
DD42	209.31653	40.27871	80.60171	101.32365	67.69588	0.6557782	13.379447	1.1844664	18.71392
DD43	158.3414	61.220604	28.587595	86.439026	106.58776	2.0698671	13.470935	11.419094	25.982178
DD44	131.5671	47.520218	58.198475	91.64041	97.1534	8.81048	10.075101	2.7973082	20.570564
DD87	230.77855	75.78575	66.23549	112.36071	85.79021	8.489047	11.624183	9.264753	26.910397
DD2	230.74991	39.012493	90.13617	66.63001	113.09827	2.2426143	14.595352	6.592295	27.67867
DD3	203.82835	37.208725	102.64386	75.399254	155.64496	0.2627712	11.016521	12.796633	25.808743
DD89	200.66344	45.722687	69.96325	86.94734	131.02676	9.273419	14.510099	3.9430375	34.55529
DD90	230.48047	54.73825	81.53209	98.46646	122.38931	2.2040355	15.418071	1.4078557	26.186443
DD4	207.08968	32.521183	47.72004	117.32789	133.32333	4.8313103	30.47435	8.462092	12.615846
DD47	223.38272	28.742674	49.89165	70.804146	112.61846	2.8645775	9.24472	13.680719	14.276353
DD48	94.780655	59.65727	40.737587	91.75416	141.10507	5.933954	23.854084	9.981235	29.725725
DD49	254.32285	34.760643	62.187386	113.24018	164.14296	6.705738	29.166813	7.2912073	13.465309
DD50	247.65428	16.779295	69.58393	102.2242	170.26086	0.2895125	21.129644	8.497069	18.703854
DD46	240.20795	50.064003	84.184395	109.87742	151.78749	4.928453	18.364244	0.5697092	20.13322
DD6	317.64047	34.4284	56.603546	115.75136	149.74815	0.3130288	32.249874	11.186633	33.144753
DD7	304.6994	28.480553	47.58688	106.3092	168.80342	2.3673902	84.69185	3.5315146	11.503432
DD8	248.78902	42.916912	85.29984	83.63888	138.724	6.508341	16.637068	8.260623	23.436054
DD5	114.32614	57.99835	39.158283	110.2669	161.31242	3.289782	41.192043	10.441738	9.867427
DD9	231.91096	42.935047	71.18217	87.11862	133.88092	2.6711874	47.783997	0.4475761	16.531313
DD103	19.620375	32.882145	53.194477	23.063683	22.959003	112.33843	7.6400723	71.44028	107.382
DD101	26.131454	47.591652	42.533375	13.378202	20.504093	72.97412	15.069393	32.461323	33.91553
DD102	20.075655	31.952045	79.435005	122.02173	28.984152	103.8893	14.850721	61.27747	128.59628
DD105	13.557543	20.126389	76.49717	109.8642	14.15839	196.277	11.97715	38.581432	76.7941
DD106	21.011726	32.933327	117.9079	6.2479277	14.008616	89.67749	13.83903	64.168396	36.341923
DD62	8.705485	39.97841	19.01292	71.63668	16.393122	21.348124	10.401807	44.636528	47.900574
DD64	22.848064	47.71083	51.267654	70.172905	21.312525	28.751616	9.953075	43.65963	25.590189
DD107	20.50838	43.6677	3.2196758	79.72091	24.505781	30.045948	15.013132	47.04362	66.77458
DD108	26.445332	32.12377	58.516487	1.971579	14.842741	11.813636	15.582029	46.124977	73.362015
DD63	12.726597	28.546934	1.1132365	2.4627714	21.376272	21.567041	17.304663	51.45463	48.177925
DD23	15.163792	3.6596258	48.712032	76.95946	26.22234	7.9218903	24.79897	28.425867	13.559532
DD24	24.467499	17.954058	12.709388	82.41942	39.200764	11.540819	29.746489	37.09626	48.74231
DD110	15.711448	3.0240304	28.42143	58.90682	28.540783	7.415665	21.209972	49.586147	50.020798
DD22	24.131704	34.584152	49.35401	13.610624	42.82185	11.621542	66.58939	31.165262	23.239899
DD109	22.115019	39.221317	11.798647	62.254147	30.351269	2.3911152	56.43008	23.603863	37.562805
DD65	48.61857	16.935324	22.075563	71.24578	24.303486	10.583996	26.501965	46.45817	31.777107
DD66	12.424518	4.216431	25.587238	59.96586	22.266724	8.602815	84.15679	22.447653	20.70579
DD67	41.276436	9.51587	1.9854857	126.47574	26.178885	0.3470399	62.898888	44.50064	59.6461
DD69	28.334204	21.60259	51.635975	65.32968	24.927063	5.6059885	33.69114	26.707346	43.201584
DD68	15.392496	21.903439	46.719513	112.25286	25.647268	6.402053	90.59949	23.459707	47.74877
DD25	32.46545	2.495782	30.947	12.817316	47.882908	4.0238132	22.850855	30.157955	86.10335
DD28	11.127222	31.699686	48.55131	56.351097	16.034096	15.371664	30.133495	3.2730906	42.09945
DD29	10.330449	24.619259	37.837727	7.6010056	31.167257	4.8971143	35.994232	16.312693	45.517048
DD27	28.738022	3.6670556	42.506313	103.45799	29.441895	2.3860245	42.86343	16.851967	50.526474
DD30	37.710743	16.271381	62.085846	103.06518	37.293083	7.453639	19.507183	13.41955	63.91832

## Cont'd Supplementary Table 2

Animal	1379433_at	1379411_at	1379398_at	1379390_at	1379346_at	1379306_at	1379249_at	1379107_at	1379034_at
DD81	226.50133	85.197365	54.858967	29.046432	1151.0406	43.33828	90.159805	8.685578	80.43319
DD84	359.54114	46.47592	24.042799	26.869295	1189.8784	24.8185	53.38012	4.064458	84.347244
DD85	284.5104	59.184635	49.1618	40.571114	1129.5612	27.952805	87.11683	10.973142	102.3132
DD86	258.68008	48.36126	36.324722	37.826923	1129.0039	31.810461	46.711018	7.9980097	86.88874
DD83	339.2192	88.93983	33.63402	25.525795	1109.6948	37.02922	70.484825	5.9648314	76.735725
DD41	187.91743	168.5524	181.09132	32.43093	1066.3187	33.25661	100.75955	27.061184	75.80286
DD42	252.03613	157.40485	133.27087	20.687561	1040.179	16.5236	95.9579	26.408564	83.95562
DD43	251.89186	213.68414	175.13828	19.343142	569.54443	30.393383	129.27751	26.827217	66.30481
DD44	233.64066	176.14919	138.28008	6.8755026	946.1649	20.9941	89.524414	20.734053	75.63388
DD87	252.59428	271.66205	148.62122	33.949158	1146.4531	37.83577	93.332634	29.523132	85.92063
DD2	278.33377	598.5589	158.09535	24.594316	1065.0598	39.85341	101.26813	33.791298	29.539223
DD3	328.4028	465.70386	286.54575	13.755471	1008.4019	20.790247	116.30573	25.827774	50.988876
DD89	250.17969	452.04218	437.71085	5.202229	1016.983	28.800568	152.1019	47.4246	73.52084
DD90	288.92142	480.77917	349.91217	8.897681	1094.3185	41.143364	140.9935	52.007896	80.03927
DD4	318.95166	492.3211	335.18085	14.891195	1020.7567	35.81463	97.49359	51.028408	41.919712
DD47	255.1041	755.1317	142.5437	25.771338	1243.3317	32.304417	78.59737	55.195145	67.33689
DD48	179.72028	749.6204	151.50027	26.796602	500.83588	25.031046	105.39571	17.45296	62.274887
DD49	340.55154	711.9491	277.22626	20.323187	1275.345	21.167284	114.94577	45.157116	59.52528
DD50	300.30093	771.1958	275.96176	24.467388	798.5351	26.765532	88.64117	44.495644	65.97609
DD46	335.49225	645.62756	328.72354	11.184453	1029.1968	49.92418	118.30285	48.758038	41.659515
DD6	324.68497	804.7424	306.9373	9.560606	1060.5911	35.262367	119.99874	42.483574	59.39095
DD7	268.6145	904.85156	340.87988	15.358709	1249.1525	13.360056	137.76736	39.97134	54.052567
DD8	275.37555	628.05664	280.40704	28.563128	1334.9976	20.779926	161.82655	25.259537	48.7711
DD5	191.76859	944.79407	167.86063	6.3311796	654.31177	34.522266	106.35453	18.439539	87.82544
DD9	254.49474	656.3388	185.7348	4.417258	1198.5864	30.3724	123.86972	36.634705	62.47323
DD103	193.04024	45.46547	533.54816	51.32037	392.41058	92.43288	801.7213	17.18841	46.908394
DD101	171.23764	33.821823	177.1109	28.08092	348.21347	85.54686	548.4002	18.767902	35.578682
DD102	188.04646	52.231594	531.9344	41.445732	337.4329	122.03053	673.6334	7.752268	40.2356
DD105	178.19969	47.716187	343.33243	8.586792	364.39603	121.17144	530.4267	18.371954	50.668564
DD106	179.01213	10.316475	357.4007	30.398178	671.7693	119.49208	640.0762	11.904994	34.47378
DD62	130.21513	19.452543	100.61434	52.913723	373.09204	28.8634	78.060295	26.540829	30.586666
DD64	146.48685	59.7543	147.6064	71.266304	364.9337	154.85326	440.88644	15.180587	19.090233
DD107	110.35095	107.56698	489.30307	59.683388	925.2146	120.13112	828.34436	13.953062	20.182123
DD108	137.27397	107.17417	326.82758	45.994923	264.50577	128.13052	431.5747	11.399706	57.28515
DD63	119.9837	53.909042	522.0879	61.57388	376.27667	115.354	509.4616	4.5466995	59.395267
DD23	172.79509	49.600544	689.20593	34.5648	621.61847	103.88361	426.45743	22.161694	24.703817
DD24	161.17563	80.51407	591.6376	51.13938	568.48987	133.61465	930.7449	37.520172	58.848442
DD110	93.76881	71.302635	320.53046	48.785713	568.54	140.68398	368.23175	17.160664	58.417393
DD22	114.3057	183.8789	187.16402	59.957035	241.81364	111.40203	416.9099	28.804996	21.903801
DD109	139.43542	139.1018	430.31003	44.734016	654.82623	106.11991	359.31885	23.264164	47.352367
DD65	136.05746	70.12556	889.49786	34.698486	655.21326	68.16722	698.2937	24.355118	28.348007
DD66	120.3353	45.864815	629.3924	48.89202	834.11707	100.81179	917.4621	15.902214	14.425143
DD67	99.574745	87.56525	683.0388	54.96492	987.6381	127.65649	530.998	15.794791	50.073784
DD69	118.76325	95.12982	333.80957	38.896564	362.07104	94.30077	127.92812	32.148827	18.933575
DD68	190.76865	18.472912	1021.4968	27.611023	1098.9486	122.43147	615.0274	23.361332	33.131824
DD25	277.05908	65.15175	535.63666	51.7935	280.3107	141.73195	1206.0023	14.456678	23.230194
DD28	114.37605	59.641148	462.66113	38.399967	716.87054	129.7743	903.37384	22.262053	24.089003
DD29	136.08	69.58906	267.48557	33.69654	278.5215	115.94823	936.9826	35.535385	44.58201
DD27	138.34448	92.77375	1021.908	45.473988	565.7202	122.90285	110.04121	14.778234	12.916849
DD30	160.71843	70.73526	812.2696	32.822258	585.1164	112.33652	1043.6536	39.044575	43.1855

## Cont'd Supplementary Table 2

Animal	1378942_at	1378871_at	1378866_at	1378492_at	1378458_at	1378419_at	1378168_at	1378163_at	1377950_at
DD81	38.420425	254.50446	51.112385	8.074526	12.021151	45.08519	141.87346	147.6789	100.22655
DD84	59.238003	226.92708	45.27038	13.39885	25.354177	39.956673	140.76166	203.388	79.56224
DD85	44.111145	228.73578	40.65822	4.9910674	4.756868	28.382582	117.1024	158.88142	117.13911
DD86	45.81015	265.40918	67.08451	5.3412733	2.014681	34.95356	150.27885	152.9655	106.94489
DD83	36.834816	234.49425	43.330635	13.060988	14.035625	41.41	120.04731	134.10504	90.632645
DD41	55.95179	225.22807	199.96733	27.696627	15.028223	38.72409	121.41304	124.70754	99.59323
DD42	73.49446	238.63907	132.82137	27.264593	27.570005	56.09611	108.29198	114.05387	75.920074
DD43	38.449146	260.48538	93.58085	44.466972	29.29734	61.695137	101.98482	125.33405	81.46677
DD44	50.389038	240.20918	214.34972	19.41942	7.192797	58.094353	105.28983	159.81259	106.10735
DD87	57.77885	216.72324	143.25029	16.017097	23.308657	50.027573	102.3966	163.64612	84.21308
DD2	56.250336	398.4511	128.76697	54.08481	22.446165	41.40228	30.832857	113.03492	70.90941
DD3	43.24534	265.0927	106.15968	48.819065	15.8034	67.554665	47.55189	116.29086	59.156242
DD89	39.821537	296.57098	230.19917	57.021355	26.381594	62.311264	59.84488	126.10035	69.281105
DD90	30.863712	297.28177	308.2757	65.76567	26.998886	52.364124	43.790775	142.6079	86.21108
DD4	38.081882	280.84882	296.92426	46.55458	31.00898	65.66161	71.00793	124.96393	86.36549
DD47	37.45344	417.2719	296.14557	54.71029	12.046589	50.37243	33.59912	105.48386	61.52478
DD48	26.311306	289.17203	103.54255	40.54542	19.388172	69.548065	22.871721	147.72868	57.57982
DD49	33.69148	306.79208	205.54236	81.84997	16.236677	65.517166	72.49143	145.93271	81.265526
DD50	35.608284	336.85617	168.77968	68.252396	34.293133	59.84084	48.70666	125.01973	67.85665
DD46	23.912731	373.48178	208.99365	50.895958	30.12517	57.516945	37.25435	126.29688	77.20118
DD6	41.77257	253.18134	103.96574	63.621796	27.385239	68.39176	68.722336	171.88536	86.78626
DD7	49.52566	318.3392	404.60657	76.15819	16.667078	29.332937	65.32012	171.0509	76.83942
DD8	30.914495	325.00818	103.21688	73.3782	18.15471	56.96298	19.723919	129.59256	50.889404
DD5	14.067876	181.3088	45.743336	52.43152	8.679462	70.677475	42.859562	112.82021	85.610825
DD9	47.325512	303.25815	101.76657	81.380356	10.606816	48.20954	10.047605	154.21176	96.47212
DD103	35.487995	78.17467	50.732285	60.224907	79.92265	4.536247	292.79407	175.41742	0.3008147
DD101	32.687893	71.838776	26.37435	21.133387	61.305367	5.9018455	292.1168	156.66678	26.499527
DD102	27.30108	17.456715	98.35362	34.300667	107.91756	1.1167212	231.44029	131.86789	3.1738942
DD105	18.96844	88.111115	155.4953	20.86529	83.94037	5.753557	259.06824	118.59827	8.028551
DD106	52.162045	17.363012	130.95624	21.80441	88.633644	8.962901	303.50027	142.00098	40.961525
DD62	32.322716	103.29287	132.14272	93.48498	2.7346618	1.7020077	192.56476	68.33624	9.419479
DD64	21.437593	108.2729	122.8066	73.47814	23.153126	41.86775	105.23705	93.02128	4.4215345
DD107	9.64737	128.12503	128.38576	52.072685	32.9828	16.312412	267.7325	113.53661	2.1017962
DD108	34.24135	2.6408641	21.530415	53.373344	32.37935	8.849135	240.04065	43.953938	1.9834393
DD63	42.206753	4.8070116	18.667276	40.811	22.774149	17.499216	266.90524	83.53211	11.850509
DD23	12.463168	1.8474399	111.57812	155.77127	70.73916	14.88857	131.72113	25.57373	9.173136
DD24	5.854253	159.00822	189.90149	149.70401	50.785324	9.292996	100.83157	67.178535	10.218561
DD110	3.3912544	177.07826	71.267654	82.2306	33.053337	41.490807	126.05006	73.539955	2.8544736
DD22	21.509773	125.5985	28.113785	123.99019	41.130722	23.90653	151.54369	79.82174	80.24384
DD109	4.9794936	124.67107	44.97765	134.04945	29.576277	12.160654	73.11297	96.78156	63.128838
DD65	15.578895	1.161376	34.937405	152.99988	44.541107	3.1782084	172.96854	80.1565	1.3846518
DD66	4.8266206	222.88258	92.04457	150.46391	57.197376	3.8555489	114.16238	31.449959	14.606847
DD67	16.280304	160.17586	48.67143	183.55159	31.91731	17.236752	72.81315	79.00568	25.637705
DD69	2.3716228	204.9867	61.855003	152.86787	62.231686	11.335503	108.25105	92.17978	2.3593435
DD68	8.640667	299.4177	55.579784	159.80148	57.76785	12.902144	175.30606	53.264088	20.596884
DD25	4.9821525	20.109924	134.07817	128.85628	44.24463	7.7278805	103.97176	68.398994	13.76197
DD28	25.370455	132.69576	1.154706	152.39107	30.78344	13.69344	62.753864	52.30258	0.6314576
DD29	0.9574386	316.36383	89.63353	153.98604	42.421227	15.521347	160.93385	40.94639	48.93225
DD27	22.486301	201.07947	29.495085	152.31204	30.979654	21.583857	45.713108	43.80293	4.2170725
DD30	4.065595	188.51245	24.748417	152.61865	35.625267	8.780083	85.04589	61.12839	43.656975

## Cont'd Supplementary Table 2

Animal	1377765_at	1377584_at	1377334_at	1377316_at	1377195_at	1376875_at	1376840_at	1376332_at	1376311_at
DD81	74.36015	8.597136	362.19833	30.255428	9.575831	36.77797	34.15628	27.00899	7.267999
DD84	62.873596	9.258279	286.32663	6.95423	2.6176083	20.350878	26.980928	7.1203046	1.075411
DD85	65.96898	8.669095	347.83478	33.538807	4.484678	32.834145	28.61574	9.252026	7.6462164
DD86	69.72036	8.809048	257.12955	34.823914	9.503743	36.039806	17.660273	19.322819	9.001823
DD83	55.12291	17.88119	283.74728	33.909904	2.5006394	32.869568	32.207474	1.7684875	7.864412
DD41	91.72201	10.09044	323.34647	25.44817	30.757664	39.742775	41.24223	7.973203	3.0407298
DD42	93.63566	7.363286	235.44781	19.627726	37.759613	47.58234	37.795345	9.400624	10.676166
DD43	156.98306	1.3836075	320.7518	25.259594	15.016233	48.321426	13.601902	13.860613	6.1255984
DD44	209.04474	1.6156061	344.33255	22.398811	14.546032	40.899967	17.552715	2.6992888	1.3076918
DD87	116.10574	2.8792531	287.63687	33.043365	30.726217	40.337994	24.298716	14.023564	2.2013476
DD2	91.23069	12.344094	181.60254	28.53575	20.851034	45.35402	14.767221	5.8673615	5.903587
DD3	55.77513	9.391311	248.38731	10.117456	30.6833	41.673046	8.315031	20.899046	1.5691909
DD89	53.89224	9.924993	228.57669	20.169962	45.266342	31.47715	22.795813	11.01495	8.143322
DD90	71.59268	8.654735	283.28885	21.939127	39.00874	40.139347	10.831009	23.804117	1.0587224
DD4	66.53277	2.3262043	298.51187	36.586494	37.536884	40.642624	22.769068	14.505083	1.1698803
DD47	61.784576	12.355695	245.30067	30.71731	22.474806	50.71235	24.553123	3.305567	4.716642
DD48	169.53076	9.214219	260.5962	29.095034	1.7222844	27.056042	6.2509894	22.544386	3.940718
DD49	36.619934	17.749475	376.5437	29.147644	27.007196	28.30491	19.297224	7.125225	7.8938723
DD50	53.75414	7.5030503	209.18968	35.57852	19.558779	47.561886	5.625853	20.484688	2.6986215
DD46	57.393814	15.70447	238.3343	24.53134	23.79072	30.811432	28.885954	23.32027	6.0081577
DD6	44.10073	11.591466	261.49576	32.91108	18.08093	37.846653	26.031015	18.417973	2.7072191
DD7	25.029057	11.228602	252.99045	38.27051	37.231796	52.830067	18.563929	12.629993	2.1367502
DD8	15.552562	7.7624702	239.50186	27.181616	27.71136	32.307323	30.330013	9.5799	1.4393399
DD5	154.782	11.739633	257.74695	27.738672	4.7699556	38.294262	18.368256	8.112524	1.75517
DD9	25.853668	10.51879	204.28609	45.175274	13.81819	52.09891	15.549627	10.763418	17.242487
DD103	113.20495	10.562324	86.07295	19.432442	78.51087	83.624344	290.59708	35.93931	12.479645
DD101	223.99875	2.506681	21.470182	25.803223	48.012135	78.46341	125.97588	31.821344	9.503369
DD102	199.05894	0.5826901	117.65911	11.438719	49.35632	69.01225	248.13905	30.69017	18.57772
DD105	213.73534	6.33125	50.52209	29.95487	37.976444	78.11524	183.12123	38.92595	13.699641
DD106	208.12665	6.0097113	2.6486058	21.10214	53.904606	49.7174	212.98877	49.687515	17.144602
DD62	316.61224	4.9230094	117.54942	0.8454874	16.75152	80.17387	84.64912	34.1978	10.222368
DD64	208.4082	5.4424047	4.959526	3.6365056	20.351372	57.663963	67.45585	39.136017	9.357269
DD107	213.33395	15.853419	120.53146	20.149878	33.897655	57.10584	168.96451	34.612564	11.309841
DD108	202.08664	11.188242	95.38696	18.196732	20.153135	81.57643	154.33167	30.496704	7.9496017
DD63	259.4353	13.643233	125.90937	19.583265	17.390787	80.12671	150.62111	43.201355	13.347601
DD23	104.31852	8.786995	169.0982	14.298933	34.175816	75.50166	101.60284	21.314621	11.653582
DD24	71.689	1.6657474	127.15042	20.164001	56.98769	91.13909	66.66598	56.80181	9.714915
DD110	257.8147	12.722683	142.18753	25.140694	13.064528	125.63339	59.709427	39.740692	7.8480706
DD22	214.76994	5.486562	122.77243	25.923233	31.336506	123.40973	87.88319	43.2591	17.133043
DD109	210.95566	2.1836183	123.69271	13.964955	16.92682	102.31903	55.317097	34.70449	10.340165
DD65	58.082176	2.540351	1.0802802	31.597534	35.331272	67.5062	123.88462	59.229843	9.124664
DD66	118.70928	11.465561	2.59164	9.522991	33.945827	66.59182	60.853653	61.747635	3.393687
DD67	103.52573	2.020403	106.07301	8.915229	28.896427	93.21824	88.629875	49.279873	3.4684684
DD69	80.89947	10.81393	86.41116	12.246875	28.152628	149.46394	76.96485	44.667774	2.7371979
DD68	90.48147	6.4992075	121.67436	14.46854	47.587265	94.30855	123.91967	54.955627	10.320159
DD25	110.09827	8.443004	76.63699	40.61933	33.87665	128.61412	169.13995	68.18945	5.594612
DD28	81.0329	2.5119689	9.718896	4.961768	48.311745	87.68466	54.346607	39.22929	3.3807898
DD29	89.77575	8.655601	109.1154	16.011114	56.209244	129.26268	87.318726	34.23653	3.0730126
DD27	99.89016	0.5993089	9.588562	18.147694	39.050426	131.30397	71.95912	44.13972	16.313839
DD30	49.01424	11.152409	4.8037024	12.447726	46.649242	66.0634	73.83908	47.034966	15.646646

## Cont'd Supplementary Table 2

Animal	1376129_at	1375909_at	1375758_at	1375664_at	1375655_at	1375601_at	1375422_at	1375071_at	1375043_at
DD81	127.18671	482.77075	52.496437	131.6714	134.70712	5.6245236	57.75515	18.113054	439.95956
DD84	129.73666	426.43192	60.0949	144.30627	171.12868	5.264752	74.82871	39.74754	410.72058
DD85	96.01085	437.66498	63.440464	123.17085	186.2854	19.051788	104.39027	29.865084	202.0634
DD86	142.55168	500.865	46.44423	134.94446	140.38329	1.6621864	42.066654	32.701443	150.45908
DD83	97.12671	470.34122	51.10924	120.08334	144.89537	2.2159936	54.98933	18.83621	378.3529
DD41	85.09356	403.2586	34.510193	119.14713	211.03079	29.89403	468.49014	10.28443	728.6003
DD42	129.83325	446.8349	50.45558	149.32092	210.2892	24.972944	401.3265	3.3681564	886.2339
DD43	185.47144	456.14215	51.14348	190.81776	206.66122	114.33247	438.0851	10.203543	460.08466
DD44	84.02644	438.28284	43.272923	82.8811	207.4419	38.923397	332.08566	21.30392	1052.2032
DD87	115.31089	424.7784	29.049807	120.93357	196.46227	23.761726	304.57867	9.555298	1729.8467
DD2	87.30323	431.4609	50.686203	116.49146	329.23898	39.96103	194.28679	19.114296	2608.5862
DD3	125.55559	376.4321	40.483593	140.53925	437.6524	79.88533	228.37592	14.453055	854.99774
DD89	161.48509	394.82898	37.695618	116.1455	445.01862	118.47279	383.99808	18.797522	1432.8573
DD90	121.9911	408.96677	42.059437	133.27591	464.77057	86.19464	403.16544	23.393126	1157.9392
DD4	150.49016	389.03726	33.93769	126.94159	449.21643	91.99122	211.00902	21.84848	2190.7773
DD47	78.96446	389.74164	38.18218	92.014565	421.3531	1.6400048	168.26584	31.246513	516.335
DD48	233.7677	454.4826	10.712223	135.04852	194.15079	76.923874	255.9831	2.0153458	1428.3853
DD49	177.4721	336.71637	13.2852	168.64813	448.32986	15.287494	189.4028	30.624563	1105.2832
DD50	223.17683	378.86896	51.679073	162.37427	337.33884	94.29016	536.2541	19.31061	2065.762
DD46	177.82178	370.5365	46.997757	163.64679	407.71982	128.60973	617.9412	17.708197	1846.1346
DD6	142.53384	354.21307	21.66187	145.34024	465.47952	33.670856	325.95804	18.709236	398.61823
DD7	124.0865	344.81805	32.718292	124.992	444.30356	32.48811	331.94864	21.06523	1190.2303
DD8	128.76353	373.86285	28.591738	142.03401	450.93326	23.964418	323.64362	15.874901	1248.9744
DD5	220.09805	408.1179	37.636475	162.53458	268.45438	59.19665	509.99966	7.986596	389.83585
DD9	112.89108	368.21927	34.221703	136.09346	434.98264	15.960852	245.33589	26.640963	1519.6119
DD103	367.67056	151.38615	33.89708	498.2383	118.01469	96.792725	1756.881	45.662647	190.98192
DD101	228.90382	176.36296	58.08701	530.9045	131.13602	42.3488	824.04114	59.657757	138.14442
DD102	290.42838	151.39207	34.474915	409.04892	168.89532	86.4073	1525.9069	68.75769	438.6636
DD105	268.87354	164.63307	38.675106	650.3588	175.43564	62.234337	1463.9224	66.573586	149.26321
DD106	296.70453	171.60208	80.83082	154.22418	220.15088	28.867643	841.6427	72.1095	116.07082
DD62	367.14127	160.98125	15.747775	97.95096	107.29601	9.77995	495.5818	33.356327	848.1213
DD64	196.8198	145.15865	24.463177	299.01462	128.67253	12.433826	516.3102	41.870255	1719.8801
DD107	432.3148	156.16028	32.94583	289.53693	151.48212	12.037163	450.28845	26.704796	409.63788
DD108	441.18274	137.84932	34.399338	343.51245	79.3576	3.8031144	514.36304	44.712963	290.7171
DD63	334.4755	143.97415	35.608463	566.81287	123.92162	21.033163	757.27563	26.252354	450.33145
DD23	140.08876	122.33244	2.113699	329.7337	169.59602	39.584457	464.2952	53.410614	467.82422
DD24	399.3551	111.87091	26.680004	584.7988	294.44632	70.178665	499.85858	54.639896	1031.9486
DD110	352.51852	121.78002	36.261192	508.25052	143.42929	16.450819	318.54285	42.391956	737.409
DD22	287.5745	135.503	2.7401223	488.95764	191.9633	4.146652	573.3088	33.087383	916.8939
DD109	256.05524	170.1738	27.876932	267.01926	100.29311	4.1664395	1050.8634	29.014286	811.84863
DD65	240.26602	131.56204	18.918268	454.01413	265.4047	63.46471	1000.8742	35.983864	446.40988
DD66	302.90433	141.19817	29.545595	521.79474	268.11945	74.46902	928.39417	33.18261	577.7276
DD67	130.29741	146.80154	25.615173	391.61536	100.0939	18.795128	471.9593	47.686165	417.5057
DD69	273.89716	129.80713	30.546478	334.12878	169.70041	66.27588	1180.8247	62.340485	392.7515
DD68	331.53995	127.85832	6.5380177	360.8096	158.29233	54.285793	456.61838	44.184002	555.32996
DD25	318.14682	160.96236	2.0405295	340.29956	120.77049	1.9300021	330.2739	41.76283	259.93408
DD28	251.14417	149.57008	3.7419639	359.9466	100.69485	12.806257	243.5533	31.116255	622.0462
DD29	125.8206	163.01874	18.921122	630.46686	101.54316	15.101224	287.67285	41.373592	745.9077
DD27	259.60873	129.32616	24.450317	402.78732	258.04614	2.959653	268.51508	42.359722	578.15985
DD30	168.83429	127.21435	13.394173	652.7523	118.67985	2.393827	279.55917	51.811962	364.97418

## Cont'd Supplementary Table 2

Animal	1374924_at	1374698_at	1374606_at	1374583_at	1374558_at	1374177_at	1374148_at	1373889_at	1373786_at
DD81	41.79125	554.4905	39.341923	38.58932	23.381847	1227.6896	6.348701	45.9974	408.1386
DD84	78.53904	426.23773	38.647892	56.8051	19.311577	1200.9612	1.4459053	44.188427	523.8363
DD85	52.84955	525.7337	29.718975	47.88885	17.522022	1335.2129	2.3461804	43.262947	480.83264
DD86	47.42116	513.6041	37.770157	31.420761	17.70905	1123.4955	14.51361	20.922792	394.82684
DD83	71.093445	516.49	35.06834	42.308746	23.816103	1215.8744	18.25272	30.523018	395.16693
DD41	64.51983	474.22638	71.84996	39.751984	29.34962	1378.666	5.643809	32.397175	563.9325
DD42	63.480362	578.50183	51.47385	34.04772	10.262856	1220.4095	10.984653	51.486168	662.608
DD43	49.564137	402.66135	57.88414	32.543644	12.986341	1367.386	16.07332	45.549286	417.6567
DD44	56.460526	488.8077	56.977272	58.754234	15.979607	1287.4546	28.16992	65.76537	310.9361
DD87	55.73794	512.2196	52.977955	64.54009	21.634808	1234.8494	27.444323	44.582264	503.716
DD2	43.09273	463.55014	28.799833	50.77816	10.204603	1212.5212	37.323944	50.01745	508.2969
DD3	56.905323	488.60147	43.739346	58.09362	16.285904	1530.403	70.99739	44.308224	511.62415
DD89	40.0769	413.3965	46.923866	49.21221	6.85536	1576.3506	48.89682	51.10663	475.7693
DD90	60.7713	392.59814	43.684406	36.767647	4.193156	1486.0739	73.54808	43.166946	448.09137
DD4	60.14112	384.95142	25.919737	43.752182	14.536976	1428.1228	43.426308	60.514565	448.97272
DD47	47.93021	488.32516	48.451107	47.769936	16.166147	1273.8268	57.961334	31.422369	846.09546
DD48	51.83449	325.128	42.71304	40.512398	4.6395626	1206.8854	93.96326	73.13571	380.71185
DD49	35.272022	267.29706	40.104794	43.202965	3.6515057	1353.5747	78.178276	65.396904	810.64703
DD50	44.42135	339.14523	37.73032	56.717094	2.5326915	985.317	68.9779	37.894436	932.5452
DD46	39.657845	269.1866	15.899978	47.517067	21.515545	1359.205	54.024883	68.33221	610.6471
DD6	46.54983	425.0623	48.72493	63.8918	6.657408	1604.315	101.84034	44.748867	920.6149
DD7	38.418644	283.04904	37.146023	36.319736	13.222329	1478.2375	127.07098	37.396675	558.37366
DD8	44.155495	340.86124	31.571884	38.25384	15.776517	1508.2911	105.75005	38.54189	612.52246
DD5	38.050697	317.39575	50.093693	39.473454	7.1386905	1686.0349	94.10763	41.388603	359.3725
DD9	56.766743	336.93683	53.0275	53.043995	4.296598	1709.858	91.73897	26.054693	790.54974
DD103	33.839104	408.9155	40.698696	94.31068	36.49967	685.6567	9.759201	67.70446	277.03415
DD101	33.072433	68.09814	26.489773	155.00764	53.338745	568.2874	4.1866107	93.23601	156.55206
DD102	26.405058	180.73802	18.18129	124.06001	32.527615	567.1169	23.936405	59.513447	202.10504
DD105	18.520496	304.02704	31.348257	39.11215	38.195023	566.3762	6.1256986	97.0584	161.84889
DD106	37.778236	124.65776	23.304773	154.97313	47.478645	562.485	1.9117334	61.599785	170.46268
DD62	29.833439	433.75848	27.43387	151.31552	39.49564	477.81107	1.755485	103.65991	318.76495
DD64	34.28032	420.88907	11.672039	90.888565	39.70294	559.6305	8.551049	108.45621	186.81934
DD107	16.648266	152.9748	9.232522	145.00705	64.46646	514.8491	2.8153713	87.064865	265.76202
DD108	25.372252	717.9566	44.101906	149.3433	38.997665	503.1038	1.8925698	141.81076	326.8115
DD63	25.119436	120.50907	23.13447	98.76156	39.60991	514.1589	19.0489	89.13227	245.56589
DD23	26.158422	123.40299	16.647198	75.1169	46.227913	589.3712	14.694339	115.60329	199.65883
DD24	27.677406	60.899395	24.91354	121.59514	51.308144	538.5318	46.952232	129.84314	231.58171
DD110	23.944294	76.2056	7.944002	114.31024	50.751675	492.53165	38.247437	139.86261	324.04117
DD22	14.809835	134.24124	37.398373	146.22229	44.73533	527.9145	33.083694	112.91377	182.04286
DD109	36.00803	116.42836	17.292404	125.77341	23.73668	595.5252	39.09731	141.56306	214.30865
DD65	29.421959	15.117475	26.707024	96.16736	15.182763	638.8203	12.193028	92.383484	687.6295
DD66	11.814281	52.266197	30.456972	163.78963	33.30402	589.22095	6.6766987	92.642876	354.7144
DD67	17.582731	90.28414	26.013084	95.362564	30.93925	713.54974	60.864845	91.18719	262.6045
DD69	41.633	280.1061	16.898792	82.54624	33.3993	605.9639	17.796837	54.18128	426.5434
DD68	20.21109	15.238535	27.871117	141.24884	20.32768	661.95435	12.521484	68.777	243.4757
DD25	3.6986365	118.76396	15.580935	172.36136	64.46716	511.71503	8.060806	96.7117	524.87616
DD28	6.8714304	137.83478	16.194473	159.01459	34.64011	556.7842	37.047543	70.00089	345.7467
DD29	14.884419	78.13872	18.498333	185.817	57.282936	561.9018	46.014183	79.38194	365.92078
DD27	11.084703	68.22448	44.997078	89.65909	26.553223	515.9712	56.12354	91.542786	305.28122
DD30	27.56019	106.09454	21.974848	107.54112	49.35799	594.1393	37.946575	61.682602	849.44727

## Cont'd Supplementary Table 2

Animal	1373759_at	1373582_at	1373162_at	1373152_at	1372993_at	1372685_at	1372628_at	1372239_at	1372059_at
DD81	24.315985	121.89683	618.45215	1390.57	175.8509	114.74481	524.83453	125.98666	710.18054
DD84	20.003906	80.24039	773.98346	1504.5731	252.5924	138.19894	546.60345	125.62821	640.0291
DD85	24.602455	111.95093	652.85284	1457.0902	168.64238	109.91557	530.0692	160.2312	723.25385
DD86	17.591505	118.18386	531.2719	1374.2257	174.30106	146.92184	512.85944	149.8312	632.3033
DD83	20.621494	66.88757	651.958	1546.3934	164.73264	124.29591	557.9461	152.7539	832.76715
DD41	43.40863	78.41799	469.14218	1552.2749	112.34057	46.02435	511.11877	119.78185	1211.3629
DD42	63.78507	66.79638	566.182	1449.8928	124.80724	32.11882	489.1597	133.99492	1160.6107
DD43	17.223358	61.838432	510.65744	1652.5938	70.71169	38.43386	397.74637	137.41484	1142.4619
DD44	34.18321	67.41766	492.63156	1701.2626	141.9747	36.167107	446.6276	129.6905	1113.1039
DD87	68.57652	72.79598	434.22107	1669.5955	104.93662	35.927654	456.30127	137.46442	1191.4784
DD2	204.36076	43.718758	354.7836	1611.2344	104.56669	5.6061234	352.5908	115.50327	977.2324
DD3	26.020063	38.83025	327.0659	1636.439	120.02629	4.905367	429.21225	114.19623	1005.4452
DD89	37.526825	65.82885	375.38596	1660.0083	99.11071	14.897146	429.96848	144.18987	1072.0337
DD90	33.117523	44.95162	335.6816	1721.147	70.864105	4.6405916	437.34192	133.48254	1000.5357
DD4	72.62513	49.21547	380.7881	1813.0927	107.99894	2.3989677	389.12753	111.45377	1007.4782
DD47	13.25909	53.42467	373.80923	1848.9382	105.47694	14.226503	444.09073	112.54022	1120.8313
DD48	37.146793	29.553759	339.53433	1887.12	101.15901	20.07499	474.51547	122.62903	1104.305
DD49	33.36937	59.74602	396.9194	1707.2073	139.07718	2.124065	607.8448	133.51233	1070.9766
DD50	131.35695	59.709915	331.18793	1703.1033	96.25337	9.203175	643.8668	122.46559	1140.1831
DD46	68.41767	45.115757	346.41266	1868.0188	81.94186	5.0734825	479.33832	133.87767	1020.1596
DD6	14.106001	38.138737	359.87698	1910.9386	64.7922	6.7696376	442.39127	140.43993	1102.7799
DD7	58.574055	31.355728	335.9633	1952.607	57.70929	2.3298092	481.8001	132.57599	1110.2883
DD8	47.648926	40.529247	375.77835	1974.3633	66.82361	1.2495537	464.9052	149.9574	1169.5422
DD5	10.349148	9.890787	369.09943	2048.0896	74.62728	8.638989	458.40747	113.96351	1209.3893
DD9	57.53211	49.4099	373.0741	1888.5023	89.31292	0.9394885	518.92017	141.48102	1243.6432
DD103	2.4638352	38.760807	348.19946	869.18994	348.6117	137.68591	1190.2197	70.617676	140.67732
DD101	17.527124	28.910065	357.04355	1007.5625	304.47113	187.80249	974.58856	61.86321	151.87573
DD102	8.815128	40.413704	282.96262	753.11523	323.98303	210.01729	1103.9548	63.95696	106.94415
DD105	9.372732	37.917095	282.94748	824.1102	332.9796	200.65645	902.67694	71.96734	110.50687
DD106	10.330812	49.766193	305.50107	779.1956	312.29758	151.60982	997.0257	57.07528	239.5162
DD62	27.666285	29.47543	210.3228	920.17255	220.67221	61.414536	936.7674	52.33552	344.4242
DD64	80.174255	15.671442	239.22205	890.0294	244.30388	49.4632	942.06335	75.28217	397.95667
DD107	39.104214	26.24923	185.4127	775.6521	254.8957	47.258102	1021.3526	56.367992	306.00467
DD108	29.568684	40.23969	199.76378	826.0118	241.94002	54.478058	1058.9312	48.411907	263.95914
DD63	2.652783	31.013424	195.00119	894.5609	243.54144	52.482967	985.8746	50.693268	442.57935
DD23	23.821737	19.947699	236.20259	831.2826	207.0551	17.52846	884.6884	50.282665	417.3855
DD24	42.302547	28.572886	197.4951	979.8615	219.54228	23.246855	898.80133	58.765293	443.07086
DD110	19.42164	29.176064	224.9341	737.178	170.98674	9.901937	915.74927	64.407425	929.5861
DD22	16.410467	20.666132	168.43439	1082.5721	146.3245	17.44101	743.8095	68.76816	442.8282
DD109	15.1154	23.707897	195.32927	731.8959	109.9391	2.3668373	938.2355	59.89463	881.35364
DD65	2.560326	8.342086	206.51634	801.94635	216.3259	18.7833	947.194	70.19412	1664.9879
DD66	25.045555	29.562475	178.71721	848.9983	194.2017	20.811567	945.0673	42.764828	1060.3536
DD67	17.715012	2.7710853	317.05176	954.26404	169.3199	3.0178688	942.1968	58.073124	939.4436
DD69	26.663641	16.525745	173.6586	679.85205	233.56285	16.413425	892.55023	38.423126	287.06015
DD68	25.619259	15.54348	223.1466	908.11383	257.44852	14.296253	963.938	37.416534	399.9422
DD25	3.6188781	15.732475	143.06604	662.6024	198.63852	4.0815816	776.47034	69.924095	346.57184
DD28	22.149048	15.998978	167.96927	794.45325	226.76947	12.6308	1012.126	34.434307	297.4224
DD29	40.12285	16.55644	181.04842	788.70056	203.60524	13.008134	1012.4104	42.67695	327.55743
DD27	4.542533	36.27261	182.14731	658.9361	188.1199	19.291245	1007.1254	73.25171	266.4555
DD30	3.700635	21.759241	179.14392	869.4714	193.38751	2.1103687	930.43744	67.8853	428.27823

## Cont'd Supplementary Table 2

Animal	1371960_at	1371776_at	1371442_at	1371245_a	1371213_at	1371209_at	1371137_at	1371033_at	1370902_at
DD81	145.20418	630.59357	111.86948	765.88354	73.02922	0.6614567	72.957985	1.8711745	3.28337
DD84	167.93375	599.3872	90.21118	936.1017	62.991222	7.9434295	72.306335	1.1697999	16.3338
DD85	198.01195	640.55676	91.1636	964.61304	90.38994	0.7470133	53.75881	14.478853	33.951782
DD86	131.81432	554.98517	90.668304	959.26184	71.44379	3.596964	65.51885	13.070213	4.0408006
DD83	140.22942	568.8365	91.220146	1051.829	82.021904	1.1913501	72.32988	21.165598	12.998468
DD41	138.36769	648.7202	82.80888	953.6065	66.11495	0.9374688	59.664227	16.673197	3.0964587
DD42	128.26787	625.73224	90.275085	797.8028	102.01804	4.3958673	62.97678	2.975465	6.3422832
DD43	155.8984	406.27267	89.3396	629.04895	60.830982	5.145239	40.08992	2.5458443	21.419317
DD44	98.58003	525.3322	84.87416	919.31616	77.99994	2.913356	74.35515	12.562504	3.342277
DD87	109.1511	592.27594	129.36711	921.42725	71.79176	0.6797097	52.03433	14.090273	21.528131
DD2	96.78686	497.3815	147.52005	568.2834	95.4008	0.8136854	37.96813	3.0653644	17.672462
DD3	161.34798	582.4004	86.18426	654.7011	71.45797	1.2363175	58.123737	18.85381	6.997898
DD89	176.80461	673.34796	123.73686	643.7585	35.66944	1.6191603	48.466167	6.273023	3.0526602
DD90	204.15343	717.20123	123.27988	579.20197	62.507015	6.5691156	57.93992	18.271687	25.131044
DD4	132.28432	563.49164	136.11319	810.4517	64.03862	8.103034	53.061386	14.01761	26.585503
DD47	123.83855	576.64624	174.05804	459.92395	58.06841	9.510375	48.782883	3.3685255	31.39097
DD48	108.73606	403.20932	138.26302	321.9135	62.897587	1.6455939	60.445004	2.0291417	15.049494
DD49	218.10983	899.0909	92.37307	572.5452	58.203396	9.1829405	41.680443	7.1490126	29.347612
DD50	185.82562	669.1391	211.7435	526.89886	51.181446	1.411528	56.362522	3.4960358	4.967356
DD46	162.73895	706.1766	137.64897	470.2537	76.32632	2.4957566	52.230682	24.955406	35.062782
DD6	162.71759	702.0808	132.9383	585.061	54.790718	0.7943384	51.949806	20.800358	9.850317
DD7	177.33914	694.34863	129.20343	479.50006	60.183266	11.359632	43.989147	7.6771884	11.876537
DD8	173.5541	714.5257	118.55514	610.1471	72.25381	1.4298817	37.299927	19.688908	20.644197
DD5	121.0003	492.8669	77.0271	446.33173	42.763145	8.004278	54.876984	7.0007954	21.43148
DD9	172.12126	687.1227	153.70844	648.0849	54.395443	3.768175	54.197838	5.8182726	20.15701
DD103	1330.4482	51.466896	63.282986	1616.8557	25.459084	25.149109	181.82881	104.71169	99.358055
DD101	842.2907	40.149963	38.839684	4281.9297	35.49673	3.560345	215.76248	144.7838	80.61758
DD102	1021.733	51.86373	105.82391	1122.0454	29.36182	1.030538	174.71687	14.959713	112.82615
DD105	967.7143	48.769993	33.24892	931.06683	42.38026	6.3966656	161.38838	69.99525	97.4869
DD106	851.83624	53.04692	31.741093	2605.2397	27.777891	12.680632	196.65009	123.65848	68.80863
DD62	725.9936	14.363203	86.78339	694.1499	26.407318	6.0751877	106.90698	148.16176	104.63991
DD64	804.6824	45.793106	32.74513	2811.3943	41.83589	42.052036	129.44873	345.70255	121.15761
DD107	811.1178	33.57041	32.597336	2210.6592	39.483257	1.2061735	83.69041	146.55327	100.52117
DD108	822.2376	22.569805	73.20951	970.57385	30.008234	26.410976	193.54134	193.59846	90.65846
DD63	836.0975	27.396183	93.84951	637.48694	28.800991	64.90596	233.19035	176.2923	109.73678
DD23	1020.9202	37.657516	61.508366	2374.6692	21.225592	57.565063	114.52194	205.23157	87.81999
DD24	1067.7212	52.762783	35.25322	475.49994	7.3626723	0.6100225	171.22964	153.72134	102.15492
DD110	648.2717	27.950481	30.923218	1359.2147	48.52524	33.50193	214.25624	207.54059	113.67352
DD22	625.4808	64.59226	57.961815	1397.091	43.649746	8.919445	194.60294	167.77525	95.75349
DD109	698.51074	41.02293	94.905556	905.8246	53.00819	39.010296	51.12407	165.87115	89.9795
DD65	1326.119	97.08457	65.63276	1576.8842	22.620531	0.5872454	178.27571	245.42549	92.0139
DD66	917.1747	37.613716	68.10222	3012.0774	22.67777	48.890358	242.87451	177.17932	78.970505
DD67	815.70703	39.068237	31.553185	656.0904	28.328913	7.3960857	37.2889	146.12749	84.26315
DD69	931.7619	48.6921	91.094284	1357.5046	33.443428	0.7469735	93.383965	126.08033	73.63583
DD68	1045.516	53.84162	58.003002	3080.7727	16.10526	4.547997	217.48793	125.31595	78.345276
DD25	944.9543	44.122864	94.33257	2148.5361	47.183044	49.174244	94.323845	203.66351	85.951706
DD28	1053.7012	57.262695	130.97166	526.1232	20.21692	18.918043	124.20936	252.78976	51.4841
DD29	863.9172	68.2931	57.894646	1096.0115	29.059673	13.280428	92.15386	145.38693	81.23544
DD27	833.3722	69.858536	53.371716	3635.3154	34.941364	98.36337	103.42623	329.87558	58.00703
DD30	1195.5168	87.4433	74.04354	2222.5095	31.38041	64.68907	152.23366	238.23203	73.60582

## Cont'd Supplementary Table 2

Animal	1370597_at	1370511_at	1370463_x_	1370428_x_	1370382_at	1370359_at	1370355_at	1370350_x_	1370224_at
DD81	15.734759	1.2252947	297.2537	20.55449	16.83491	69.22978	136.94974	15.402633	43.45683
DD84	13.536737	6.777505	278.4002	13.023332	4.3103914	71.8415	198.52281	0.557637	50.124756
DD85	12.412727	2.2755272	313.54727	9.61531	17.578966	93.50415	110.51277	1.1421999	64.07018
DD86	15.008025	0.9464194	298.35385	16.282696	12.190157	70.727036	213.01164	7.244365	40.88237
DD83	5.3945036	13.526459	263.77478	17.563362	32.882088	104.68351	120.33746	3.1260967	50.216354
DD41	3.0317109	3.8902411	297.1542	22.40215	27.525316	173.97575	99.36108	6.8172636	69.42949
DD42	3.7570708	1.337356	298.74976	7.3455534	10.125551	140.31677	236.63905	5.306284	58.658962
DD43	18.662071	1.009074	317.26102	12.968219	23.43754	196.642	275.7226	11.228218	55.41552
DD44	8.611589	10.565583	264.9297	22.464722	18.327375	146.89392	352.49496	1.6500072	62.21181
DD87	20.212563	1.5601206	292.2016	27.986698	9.959439	140.0687	133.24136	6.402635	41.32859
DD2	10.161143	11.225462	284.65552	25.835052	3.2131326	120.84396	5.8315625	6.748598	50.882404
DD3	1.987714	1.4594523	296.79987	6.7903585	4.67605	139.92984	30.574947	1.5062962	38.89302
DD89	12.598504	3.3132844	249.03441	7.8168902	29.524391	139.33778	20.524782	5.1455445	52.574577
DD90	4.716253	1.0970995	260.30835	22.374546	6.072775	146.10663	4.3425226	6.605271	48.638496
DD4	6.782253	22.57785	265.9666	17.939943	17.093338	120.37192	23.041765	38.49405	23.667221
DD47	2.161546	17.389566	184.82126	18.910343	4.4605794	136.21368	35.57364	13.97074	42.414116
DD48	15.809993	10.315887	227.76585	7.3649974	12.411502	164.61302	28.622732	38.086376	116.18325
DD49	4.79202	29.33708	256.6224	14.0393	1.6176353	151.7886	2.5746233	41.910526	30.830742
DD50	2.348673	2.8891783	221.86476	14.874482	12.101675	144.43732	12.726518	19.541262	38.93548
DD46	5.688384	25.032001	249.25276	0.9417977	24.45728	107.73801	26.380913	23.373655	64.154236
DD6	2.7140434	20.505013	224.73969	14.100962	6.8883047	163.35983	26.042873	39.896633	39.90853
DD7	9.162219	84.69913	225.28008	21.260113	11.626897	162.5991	52.491276	77.199165	22.975449
DD8	14.891678	32.893806	218.83612	5.924764	11.286478	163.01283	11.874726	0.6004436	35.69921
DD5	5.652938	57.529663	225.80261	12.299762	15.899886	184.98744	31.291971	21.552967	45.810745
DD9	5.0125747	42.51664	209.49931	27.684273	14.308368	196.4035	27.731913	76.22907	38.556137
DD103	31.839296	10.778116	51.176327	170.7925	43.796604	42.581078	1194.4988	13.101587	262.55814
DD101	13.519045	17.62548	92.366806	3.0709815	60.136845	62.17129	942.87506	1.1253973	159.11298
DD102	26.807224	9.586382	48.88469	390.99673	23.424814	52.660076	591.5792	0.4475398	238.03177
DD105	32.776375	8.63303	32.214848	155.95457	47.18693	41.209232	1036.2866	1.1305209	205.82704
DD106	14.474711	8.855827	125.36736	10.804118	61.59934	73.58452	534.1094	2.3988736	177.33838
DD62	30.947092	17.847786	98.665596	284.6665	58.66137	47.74095	122.48196	0.3472207	125.94163
DD64	10.463584	1.5186011	96.99782	17.004734	93.07338	75.17563	100.14766	0.6250326	111.47128
DD107	15.701941	3.9066553	78.53694	300.36612	82.53658	73.56344	74.67509	6.8505836	219.47401
DD108	36.06288	6.9403048	51.75098	299.274	63.14297	41.061703	122.68321	1.3874658	131.00864
DD63	28.365847	4.479376	51.0095	320.0341	90.71993	69.70262	151.62292	7.7172456	144.08722
DD23	3.8041542	9.774833	53.265755	245.10161	70.45936	78.64193	133.1955	15.222193	149.68953
DD24	28.234388	1.5228152	97.795235	207.52899	78.02361	39.580635	438.11676	21.487494	428.67328
DD110	25.233196	6.155466	78.02073	243.93208	84.11372	43.199398	176.01062	10.182517	146.23184
DD22	8.947171	90.358574	138.43855	219.34909	65.568054	122.05265	141.89743	77.28353	187.75372
DD109	17.203074	38.17562	97.49644	249.1306	51.45562	79.98076	121.36992	51.37084	164.90346
DD65	24.663748	22.336748	123.05497	1.2409477	108.00179	13.186814	51.532543	42.9481	412.2169
DD66	13.619452	97.631004	77.10942	12.253094	85.9714	88.44381	485.45175	79.66006	384.31873
DD67	36.963673	69.928024	85.63438	258.74335	57.844112	116.37993	285.91846	20.153234	107.244
DD69	2.0327377	25.30417	112.09446	253.11255	42.165802	50.055054	40.92269	86.425934	271.103
DD68	26.322596	108.61885	69.65642	216.69951	40.251198	108.06353	113.83791	113.44901	91.402466
DD25	16.77158	36.25387	101.77291	241.50194	24.80282	60.667736	98.98659	25.825079	204.08617
DD28	13.16799	48.10537	81.48785	13.229024	67.58505	72.90008	49.423153	52.56046	122.37203
DD29	17.365347	35.897083	91.43663	259.64252	45.89676	64.23786	114.72342	55.022324	150.06308
DD27	19.0764	18.64493	60.329563	9.050778	77.06657	62.2984	95.504845	49.340523	160.97607
DD30	34.082363	33.91004	39.99027	10.762308	95.79822	40.303677	47.280857	27.187328	177.97716

## Cont'd Supplementary Table 2

Animal	1370176_at	1370114_a_	1370047_at	1370007_at	1369836_at	1369727_at	1369716_s_	1369680_at	1369663_at
DD81	415.01797	2.8666027	66.07713	146.254	142.6712	3.705298	282.46423	31.590837	38.074314
DD84	434.43503	23.548609	107.48052	214.85733	97.064125	4.339865	356.67963	16.846119	26.606844
DD85	426.44647	10.257669	107.47704	176.75317	151.36607	3.6564343	340.97412	23.922472	52.8277
DD86	450.38437	4.06745	68.70847	221.53378	115.70957	6.4994974	371.723	22.30144	4.8943095
DD83	459.06226	1.8840632	86.55624	174.96732	111.21977	6.99885	376.54572	44.413406	58.693653
DD41	871.03125	2.4354823	81.21301	139.36906	133.67372	2.018876	374.12085	32.142372	35.78532
DD42	811.8826	2.2146509	92.332504	135.66931	105.12247	15.238427	285.97446	15.306186	31.225548
DD43	775.8152	15.654809	107.58583	146.38795	97.24976	5.4759245	337.68854	26.383442	28.864586
DD44	607.9766	3.0931952	97.70941	207.2989	139.8115	12.452456	424.2733	19.004896	28.668293
DD87	775.2081	11.987271	80.0492	127.41255	139.06075	5.6162076	424.15436	45.370922	34.504597
DD2	629.64844	34.04993	111.88722	104.62107	97.75294	5.320936	413.89578	20.153576	52.810364
DD3	1226.5631	5.0073485	112.83691	169.2628	89.84066	4.8955564	380.15884	20.000525	22.159613
DD89	1472.9807	4.211415	115.09909	157.2371	75.28419	2.695053	352.44754	8.371176	29.277702
DD90	1343.4056	2.8550856	101.77271	165.02571	90.49806	7.1529865	310.14145	37.20861	20.14224
DD4	1078.3414	22.107319	109.84243	150.30226	95.95799	61.68419	309.36755	22.244448	35.05277
DD47	835.0272	10.31483	62.071095	157.40488	70.09872	12.977373	290.3432	10.973906	27.890263
DD48	509.57877	9.123061	65.00364	167.16273	77.71308	19.557728	210.86362	29.45585	33.609863
DD49	1060.925	2.7449417	96.11527	147.06729	52.412144	83.774254	266.08682	18.818943	43.278965
DD50	1016.6655	2.523522	100.58324	152.08958	56.14218	6.1631413	240.88495	17.05706	22.090044
DD46	1115.6815	4.820154	123.59226	150.25331	124.72511	30.020327	260.69434	36.909336	31.13186
DD6	1111.8593	6.2221236	75.14356	120.46858	63.583973	52.50464	241.32465	30.42856	18.163044
DD7	1046.4304	4.519025	129.55287	155.99767	61.891174	221.67606	194.41634	17.769535	31.72739
DD8	1063.1681	2.6154056	68.471344	113.1117	59.8911	55.119255	232.22282	16.52227	39.243496
DD5	674.49115	27.654789	88.90539	165.60246	78.86898	103.92159	232.21065	26.937323	29.95776
DD9	801.73193	4.4707766	74.255486	133.52995	66.48305	146.36142	251.39958	17.138472	5.639685
DD103	1033.3175	40.53193	66.09811	90.58725	21.227798	9.626888	144.30078	49.607033	225.14629
DD101	300.84732	60.228565	72.32271	85.68317	39.508545	24.719404	118.30423	61.708843	219.07999
DD102	939.35754	99.92115	72.61028	135.88052	31.577578	6.029231	157.02937	68.372345	105.88506
DD105	314.55057	107.39025	78.30689	138.76247	57.774197	1.5825548	124.26578	68.04728	104.45525
DD106	334.1888	86.783356	83.91647	95.664856	36.772938	4.2319574	101.01572	58.833866	214.43228
DD62	295.3705	94.99992	67.4553	131.62794	39.957302	4.1659446	159.03387	55.27753	171.9246
DD64	405.9985	132.34914	63.47776	63.315746	57.559597	15.302665	159.68472	50.029327	371.3415
DD107	415.84396	89.00324	62.593636	89.799255	45.290607	16.50928	123.54414	73.402245	164.10864
DD108	278.32916	74.25891	65.406364	69.58356	35.972504	25.100096	108.6624	28.799976	280.42917
DD63	400.66614	108.21088	71.06346	105.0258	39.49204	34.111217	131.13235	47.230774	226.33778
DD23	313.33072	86.23892	37.85332	71.486015	27.541147	23.731009	82.474594	42.742336	151.97638
DD24	744.89777	110.17143	38.28528	95.9219	44.30215	9.600944	85.00452	61.545883	188.38326
DD110	316.0933	97.34562	53.967754	43.63736	28.0912	6.6345706	70.972176	56.53859	172.36362
DD22	484.71643	111.76947	51.074726	78.508575	46.144966	140.89806	100.33606	57.773464	249.61232
DD109	545.8615	96.980225	54.224827	77.93415	24.290937	107.63334	94.02012	49.884193	207.448
DD65	384.2891	59.19702	51.757164	68.30252	14.471982	66.91597	91.982765	86.29713	261.1342
DD66	274.44748	70.0692	33.31926	128.10849	25.901499	237.95827	108.21008	57.313057	318.12177
DD67	519.0626	62.559097	39.69168	6.4054575	21.812733	141.081	125.61811	62.023224	129.68758
DD69	293.6284	149.38004	32.3223	94.26933	40.157547	73.388565	93.743805	51.937687	258.52014
DD68	598.7198	80.417465	36.83633	93.91435	5.435328	251.07242	111.33492	63.03653	198.06555
DD25	210.2449	89.5357	33.25413	46.85717	24.517647	46.244846	101.16335	71.16524	149.93498
DD28	225.03813	82.680176	30.518383	99.69106	21.4641	99.767235	89.940025	41.984238	291.7159
DD29	601.46735	76.82424	47.517715	104.70216	24.592762	112.60885	85.05058	70.01561	336.98434
DD27	539.99615	16.466557	38.737305	69.32882	15.314151	89.756165	99.82478	98.520065	292.84042
DD30	262.99567	38.207172	37.432354	43.066307	28.259825	36.512623	106.21369	56.575794	141.68423

## Cont'd Supplementary Table 2

Animal	1369595_at	1369577_at	1369522_a_	1369502_a_	1369215_a_	1369110_x_	1369097_s_	1369050_at	1368983_at
DD81	15.059214	52.97109	6.6461	87.19008	85.08947	272.09937	60.82284	56.530746	179.57864
DD84	13.722804	46.294125	11.627119	73.95666	80.708176	443.869	44.777424	27.774223	115.8705
DD85	6.741615	12.136135	6.761521	92.810875	75.57828	319.77615	47.230595	48.867588	90.13755
DD86	10.790136	51.047794	8.161403	72.424995	74.13816	322.55914	28.573996	42.15679	160.23904
DD83	19.276672	39.622566	10.604154	108.9204	93.495865	297.995	51.189598	62.472954	114.4108
DD41	7.7250886	22.445395	11.339891	180.07715	180.28784	328.9014	42.27576	50.012196	199.03207
DD42	10.380667	40.53576	13.264357	159.86913	201.353	341.54984	31.63829	48.508476	127.55235
DD43	5.5444074	31.981379	4.5046554	180.94586	273.73312	331.42474	29.519392	30.12532	203.89713
DD44	11.876006	72.26788	8.4068775	147.5144	164.13852	348.73203	43.419193	49.589375	170.86436
DD87	6.9715753	28.56477	10.073063	141.6283	199.35515	292.06647	35.37466	49.683117	141.96724
DD2	29.949814	36.564926	10.244342	128.41637	202.84583	358.63083	50.850914	131.19246	111.86629
DD3	13.52562	35.9159	16.117258	192.10284	364.9666	276.96957	30.177286	77.68158	149.126
DD89	15.637042	53.295666	7.408819	197.00227	468.37524	282.15735	26.233274	88.604256	73.41643
DD90	15.349641	29.330795	11.881733	162.66324	403.80902	267.52722	30.080906	119.57235	124.85674
DD4	14.359154	36.73657	7.485134	163.0527	335.98654	307.5868	52.55512	78.93182	120.23955
DD47	5.531189	39.784893	10.877743	189.09343	202.90894	316.0099	25.308935	122.29707	90.56009
DD48	11.392648	22.017578	3.60593	178.68796	273.279	304.45837	43.868908	107.55032	106.31453
DD49	9.861431	7.2578626	2.5581036	204.89961	230.17337	437.51773	23.849897	117.60288	77.8899
DD50	12.315029	43.264637	13.938819	169.16385	289.13715	313.91165	44.500553	202.12373	61.51079
DD46	16.906239	11.042373	9.461282	130.87738	349.0688	248.10469	34.881668	106.8747	97.99092
DD6	14.694237	28.589048	7.904232	202.00153	334.5394	309.90857	62.65264	161.49605	69.435776
DD7	12.467702	3.2531219	10.069884	217.4582	299.8171	309.23083	36.81685	143.83951	118.88076
DD8	11.57685	21.08076	3.5643613	184.15709	235.149	233.72668	45.02067	96.59039	66.02712
DD5	10.808523	45.780777	9.33639	159.69327	321.07428	302.60522	42.594944	141.68715	96.75537
DD9	14.606596	18.793932	12.133856	197.89825	203.3307	270.44363	36.85731	167.56982	73.15357
DD103	4.843996	33.785698	8.1138	32.927788	604.7524	122.96127	116.45768	31.971682	103.55539
DD101	6.52218	86.369774	5.6194005	69.36569	534.9395	73.17103	108.00147	41.606087	64.17182
DD102	7.162229	56.78902	14.19756	47.82464	689.3253	140.34773	107.09296	24.762316	83.529655
DD105	8.669123	101.2447	7.496957	35.575294	559.21625	75.58811	110.20363	25.49291	94.710495
DD106	10.646806	38.564434	7.771052	58.488827	629.6885	98.28712	124.73565	50.7949	72.008606
DD62	5.693586	174.59727	19.286993	39.37678	353.23593	97.499565	104.84329	35.474865	115.61716
DD64	17.802567	155.24284	7.050344	77.9623	409.76648	125.41495	73.61381	58.273926	59.555355
DD107	13.763438	135.03525	13.036609	87.03465	441.86505	86.99241	92.964615	21.523176	121.67571
DD108	15.425682	130.52733	4.597609	53.405125	391.56567	71.2312	77.81746	45.956974	46.50579
DD63	6.150824	145.24197	3.7332196	45.20594	440.47147	123.18102	80.06169	42.377594	51.767193
DD23	3.5276287	66.16421	5.237835	102.53008	843.9107	102.96198	88.40898	39.070557	36.683685
DD24	14.251473	106.9337	2.2219725	55.375122	1082.7738	78.40717	78.668465	28.319513	90.33793
DD110	18.84477	157.85715	6.1583643	58.0594	477.25186	80.63836	81.03223	31.586636	75.64999
DD22	10.175497	115.95311	1.2242495	139.51286	495.3074	118.62381	76.01983	53.811966	39.52243
DD109	19.124172	110.66916	14.682685	86.87657	561.223	87.86446	70.76916	31.471798	43.30602
DD65	0.996841	29.530422	9.271702	28.182863	1223.7803	56.34086	52.001797	33.08303	31.99538
DD66	17.359844	68.883446	0.6839055	137.31085	928.84784	104.82174	54.898556	30.51938	63.34233
DD67	1.698133	109.67732	7.4591947	111.93028	482.60864	117.22391	57.475063	23.495974	52.60648
DD69	2.4048042	100.21829	3.3538861	61.10378	944.22345	108.25756	71.24509	54.28196	25.25869
DD68	14.306046	97.678856	6.364954	117.81639	815.5252	75.54127	70.246506	52.884026	32.74592
DD25	6.2653165	95.26112	9.181273	66.82344	619.0676	120.22781	79.09215	22.823553	59.01305
DD28	5.892836	87.67263	8.488132	96.78119	703.265	99.47261	81.93782	34.920635	58.2577
DD29	9.751015	168.37215	10.297233	97.192566	790.4851	95.69574	69.70528	42.063385	34.287987
DD27	13.172187	106.52519	0.2587994	69.08613	714.7646	138.35939	73.93805	48.51292	50.336422
DD30	2.4759932	47.04493	6.3535986	49.95619	907.4213	102.12201	89.08893	54.25334	24.683254

## Cont'd Supplementary Table 2

Animal	1368872_a_	1368826_at	1368696_at	1368690_a_	1368593_at	1368440_at	1368419_at	1368418_a_	1368335_at
DD81	105.80319	316.54248	65.74891	74.23452	4.310996	127.19492	226.59082	196.08708	6.8250685
DD84	103.75847	329.809	66.69984	71.73241	19.198082	134.52153	213.78049	218.27718	7.0379195
DD85	110.11156	345.95673	62.241627	101.00526	39.38159	111.50678	208.8577	227.062	3.5800693
DD86	116.72487	300.76074	65.31199	84.06324	43.23153	87.15885	220.91052	224.69437	2.2652256
DD83	119.23962	346.3727	52.42453	67.67594	19.145617	129.96164	196.59424	199.67145	1.5778025
DD41	127.11935	296.88757	26.574003	85.9035	25.153332	184.3861	266.93872	268.9149	1.5109025
DD42	137.997	290.19095	33.622044	85.61138	12.101261	135.77164	270.5428	287.29898	1.1669137
DD43	119.22492	271.32864	41.350693	50.630634	13.032091	184.97238	275.62656	276.46194	5.2112613
DD44	111.77265	294.62103	36.629826	78.83241	22.9323	79.77225	217.15057	266.90247	3.0569882
DD87	124.03085	298.11798	30.643055	68.814064	17.712105	113.83081	271.4287	261.74503	3.3992865
DD2	94.62583	323.32654	35.120884	73.64552	13.27815	80.016495	182.49722	265.33884	5.924336
DD3	103.13955	298.12933	21.652456	55.188766	6.3909855	82.428856	221.6512	237.05898	1.5679936
DD89	85.545135	296.692	5.7018805	40.423866	23.134491	61.121624	215.3519	225.01543	4.7180734
DD90	132.37323	297.45084	2.9442923	48.139507	24.599463	80.425026	270.73572	239.02356	1.79931
DD4	99.15265	285.64474	26.689922	45.06676	12.955097	75.7865	208.34137	257.3722	17.728796
DD47	98.53311	330.09988	3.523613	54.79683	13.522302	52.495777	223.19571	201.58151	3.619134
DD48	66.30771	294.37485	8.183231	34.153023	18.095093	105.07678	264.55704	227.81116	11.156129
DD49	57.861137	358.4956	34.429577	33.602207	20.498346	100.85561	290.19772	257.226	23.356722
DD50	76.786064	341.4392	25.98978	69.23262	4.9110403	83.69134	213.02924	224.66992	15.423616
DD46	77.88175	327.91748	19.03617	77.83935	27.681953	109.0902	243.25356	251.34279	4.603889
DD6	94.4441	320.35944	32.547565	74.08218	22.85566	88.61007	261.1361	225.0595	7.396149
DD7	63.29169	361.85715	38.380795	52.282238	20.33609	61.78055	233.75893	265.71255	72.81146
DD8	68.10095	323.10278	13.657796	59.51464	18.511528	54.055737	237.44814	232.17664	12.32803
DD5	103.63956	275.64282	2.221882	38.172768	12.930565	140.01923	290.0552	281.31113	33.70125
DD9	80.87473	400.35355	14.235879	68.10791	40.125385	79.44285	271.2287	282.68225	40.02542
DD103	175.83653	43.46405	155.48521	9.779166	60.637302	524.82544	122.01233	138.59428	9.677957
DD101	180.70317	46.23336	94.90404	6.728492	79.87077	339.61926	91.83273	107.34026	17.693012
DD102	214.85922	44.795967	140.78896	9.865724	106.50185	714.40424	100.00996	134.563	22.85963
DD105	194.92877	41.91353	143.59972	10.006448	86.775795	410.92465	84.05058	115.36321	1.739334
DD106	232.38739	42.87628	129.94572	9.70333	93.86343	429.05994	106.18137	77.62355	13.275338
DD62	165.43605	171.52907	42.062405	14.59206	70.45698	596.2953	83.08151	100.09177	11.623852
DD64	247.8659	49.30091	54.67678	3.8662226	65.19488	579.7755	94.64274	111.40361	16.155172
DD107	208.32544	41.763214	56.6919	9.177223	52.69483	872.59863	73.05326	95.239525	9.953864
DD108	142.98636	44.6117	74.94198	10.882317	99.951675	1059.9916	85.805786	125.14524	8.310354
DD63	230.57918	56.958862	65.162766	7.8572426	101.88919	88.07486	92.690445	100.91911	6.1877065
DD23	303.18933	100.06131	28.192305	17.171944	216.65987	238.87224	94.20025	101.13918	8.694222
DD24	284.93777	108.33209	9.928788	23.644161	152.6865	55.53264	73.13637	88.129486	7.8943014
DD110	139.41786	36.065575	49.779343	18.377827	187.9599	165.16069	108.87348	119.30969	5.889881
DD22	200.87505	72.49344	45.263603	24.47911	210.80722	329.75095	131.05505	159.09904	86.99017
DD109	161.42235	77.39837	48.80055	12.377452	170.18088	344.02576	78.8664	124.73402	34.36836
DD65	289.27338	154.61713	52.13183	5.3636484	194.0645	617.2294	111.16975	105.13905	18.279215
DD66	197.94778	144.78902	26.613577	18.208286	104.68681	147.9543	125.06546	142.5826	81.08538
DD67	157.59749	34.571507	47.967102	17.910332	210.88168	622.67975	102.62223	120.711	126.23452
DD69	255.70544	97.16384	43.22592	21.400549	117.01588	151.62663	81.91564	107.89256	33.23532
DD68	318.20438	102.75121	37.78005	11.361006	235.60912	455.35422	90.067444	127.22039	87.339035
DD25	335.48938	143.31834	84.31007	17.74037	239.78032	472.48184	108.03391	100.8621	7.0480976
DD28	183.01843	147.0765	44.13634	13.242716	94.24765	478.18063	101.93945	115.15387	22.558237
DD29	226.77264	293.36465	51.01362	8.552139	83.57625	469.77863	79.426895	109.75391	22.27101
DD27	197.45547	268.40912	57.819027	18.629011	213.80553	216.36201	120.56002	109.08635	17.874296
DD30	182.4369	263.85623	56.257015	11.066384	275.8576	559.0404	90.624435	84.00547	13.527626

## Cont'd Supplementary Table 2

Animal	1368321_at	1368317_at	1368290_at	1368250_at	1368128_at	1368064_a_at
DD81	598.2864	72.886856	147.62784	2.1355953	2.6558518	200.98476
DD84	469.36734	75.55627	150.90535	14.355214	1.9382167	174.85144
DD85	250.91743	72.28433	89.900085	14.771371	1.8704269	177.02112
DD86	274.27307	78.25793	128.77629	10.839173	5.7344713	207.37831
DD83	328.58618	92.51328	157.95668	2.0651166	3.5736074	177.09334
DD41	814.87396	112.91653	200.99487	13.698624	4.1328397	115.58849
DD42	528.65936	113.24921	213.42278	13.947145	2.7998416	115.10111
DD43	268.99115	121.32927	210.92604	14.610659	7.7442174	143.81247
DD44	549.5256	135.91809	341.67633	15.824595	5.7906857	160.68132
DD87	1101.3704	99.81795	317.61578	10.015398	8.433842	105.72651
DD2	1428.7836	270.18265	623.24854	3.1444585	4.9672585	126.89727
DD3	494.05457	209.76913	249.3103	7.1733046	8.289559	117.77696
DD89	719.359	137.61057	306.53555	3.2708185	40.68749	132.96649
DD90	734.84344	222.78313	206.16982	15.845266	43.57035	141.1811
DD4	1353.0581	197.72792	535.27893	16.90566	44.505394	115.91954
DD47	449.2659	132.4384	190.95474	1.072229	24.790195	111.42448
DD48	1139.5476	180.41226	490.4592	8.021027	5.030649	149.95705
DD49	765.6606	119.38648	163.87181	19.206652	40.172195	109.64149
DD50	1433.2775	211.73148	546.3764	2.7724385	32.35497	82.94875
DD46	1436.5806	146.62744	446.95844	8.670109	29.577978	113.67615
DD6	560.9623	203.72997	122.87837	2.4282258	2.3017762	122.30704
DD7	1113.5914	181.98544	324.3439	7.270617	48.032795	124.08305
DD8	1041.9469	130.86966	331.06317	7.3242774	15.295797	99.16262
DD5	698.6751	188.37526	222.97844	13.317093	68.52777	141.7065
DD9	1235.1604	188.726	301.09625	1.7881956	37.308178	93.630615
DD103	321.29434	103.15768	49.35431	27.245066	26.55339	184.74176
DD101	417.71738	81.895805	55.661076	31.02527	18.17863	215.39966
DD102	548.22943	83.73724	78.48586	41.158676	14.133469	55.04091
DD105	305.41772	73.69714	76.48234	31.74328	6.921957	251.80052
DD106	286.93353	80.73	28.196272	28.657633	10.524523	159.29373
DD62	367.7626	95.32484	139.90417	22.38541	20.701828	65.80839
DD64	1069.0054	96.76896	347.80905	12.498099	96.57833	37.490417
DD107	666.53284	60.63392	174.59727	22.285587	62.541706	64.07051
DD108	413.71497	59.835953	117.72685	31.26388	52.10905	78.48092
DD63	428.32657	93.10378	154.07819	27.19569	60.777412	62.34939
DD23	289.59598	73.459206	203.9461	2.4611893	125.29895	46.87573
DD24	358.8401	109.11341	109.06618	31.864481	131.06876	56.563988
DD110	207.20111	84.715225	210.59512	20.113546	174.61234	58.95267
DD22	311.79086	77.59802	114.34276	38.7669	107.70132	77.891106
DD109	419.59222	81.38669	126.81613	33.45878	52.549633	113.69241
DD65	306.64847	48.54609	71.17918	25.757723	109.85648	84.23693
DD66	605.2743	64.6289	290.49643	45.04714	119.01446	41.86407
DD67	581.80115	42.030933	57.584568	26.141266	113.94213	142.8912
DD69	277.19305	86.95066	266.2504	39.973324	16.807917	31.030373
DD68	247.81091	67.33106	36.61399	27.713165	95.887764	54.039375
DD25	311.1576	78.13347	135.5786	40.37931	85.18623	58.149067
DD28	765.64154	81.6073	37.469845	42.119545	92.22397	51.016483
DD29	484.7069	71.67472	125.57748	30.146814	156.15703	9.746626
DD27	392.0257	106.8031	26.57456	42.472088	74.7585	43.78592
DD30	543.1	69.59911	24.19794	24.4392	49.65942	34.388794

**Supplementary Table 2:** Presents array data for the 395 probe sets identified as differentially regulated in liver from diabetic and control animals. Data are provided for each individual chip, which corresponds to an individual animal in the study. The column labeled Animal provides a unique internal identifier for each animal, which are then identified by strain (GK = Goto-Kakizaki; WKY = Wistar Kyoto) and age. Data are presented by probe set ID numbers. Functional characterization, as well as name and accession numbers for probe set IDs can be found in Supplementary Table 3.