

KELLY et al SUPPLEMENTAL TABLE 1--QUALITY CONTROL

Sample	1		2		3		4		5		6	
Total reads	37,202,593		37,832,159		34,777,043		31,716,744		41,410,348		36,922,315	
Passed QC	26,925,536	72%	27,642,390	73%	26,184,949	75%	22,255,913	70%	30,609,194	74%	27,765,769	75%
Passed rRNA filter (rRNA filter)	26,272,572	98%	27,123,807	98%	25,716,473	98%	21,567,057	97%	29,490,166	96%	27,265,276	98%
	652,964	2%	518,583	2%	468,476	2%	688,856	3%	1,119,028	4%	500,493	2%
Mapped	21,764,456	83%	22,094,938	81%	21,309,861	83%	17,336,357	80%	24,099,580	82%	22,526,495	83%
Unmapped	4,508,116	17%	5,028,869	19%	4,406,612	17%	4,230,700	20%	5,390,586	18%	4,738,781	17%

Post-mapping filtering

Passed filter	19,384,877		19,871,209		18,977,522		15,528,361		21,358,883		20,209,943	
exon	4,371,735	23%	4,468,199	22%	3,835,422	20%	3,538,444	23%	4,112,242	19%	4,153,350	21%
exon-rev	31,450	0%	36,543	0%	35,648	0%	23,970	0%	32,438	0%	37,037	0%
intergenic	6,499,807	34%	6,699,166	34%	6,116,940	32%	5,642,416	36%	7,507,139	35%	6,485,096	32%
intron	3,701,179	19%	4,390,808	22%	4,452,227	23%	2,935,903	19%	4,664,771	22%	4,762,882	24%
intron-rev	268,287	1%	262,916	1%	246,325	1%	237,429	2%	309,301	1%	271,521	1%
junction	975,982	5%	998,220	5%	843,767	4%	799,025	5%	901,825	4%	923,415	5%
mitochondrial	3,378,433	17%	2,832,615	14%	3,258,921	17%	2,210,309	14%	3,651,154	17%	3,399,559	17%
promoter	85,919	0%	94,723	0%	91,226	0%	67,636	0%	87,902	0%	94,641	0%
promoter-rev	72,085	0%	88,019	0%	97,046	1%	73,229	0%	92,111	0%	82,442	0%
coding regions	5,347,717	28%	5,466,419	28%	4,679,189	25%	4,337,469	28%	5,014,067	23%	5,076,765	25%

Mapping by chromosome

chr1	1,681,750	9%	1,837,868	9%	1,752,906	9%	1,335,388	9%	1,832,214	9%	1,836,180	9%
chr2	1,187,076	6%	1,239,697	6%	1,175,206	6%	923,342	6%	1,235,804	6%	1,339,673	7%
chr3	1,062,375	5%	1,163,339	6%	1,073,841	6%	839,176	5%	1,111,453	5%	1,121,484	6%
chr4	869,445	4%	916,661	5%	891,486	5%	659,723	4%	931,844	4%	979,171	5%
chr5	1,085,202	6%	1,169,341	6%	1,052,918	6%	908,196	6%	1,191,703	6%	1,218,290	6%
chr6	642,229	3%	696,967	4%	690,021	4%	505,397	3%	699,061	3%	704,722	3%
chr7	921,055	5%	1,033,387	5%	914,355	5%	812,483	5%	1,119,674	5%	962,104	5%
chr8	891,277	5%	972,427	5%	916,420	5%	768,695	5%	979,365	5%	975,167	5%
chr9	717,933	4%	755,516	4%	727,122	4%	524,401	3%	741,916	3%	795,996	4%
chrM	3,378,433	17%	2,832,615	14%	3,258,921	17%	2,210,309	14%	3,651,154	17%	3,399,559	17%
chrX	389,537	2%	409,335	2%	385,627	2%	310,443	2%	421,929	2%	390,156	2%
chr10	883,494	5%	997,334	5%	905,690	5%	702,753	5%	899,474	4%	942,485	5%
chr11	427,160	2%	453,388	2%	440,331	2%	329,675	2%	470,028	2%	443,561	2%
chr12	257,822	1%	295,000	1%	273,319	1%	208,806	1%	268,466	1%	280,146	1%
chr13	474,805	2%	504,880	3%	487,461	3%	406,120	3%	530,453	2%	489,775	2%
chr14	516,994	3%	560,769	3%	533,044	3%	399,353	3%	543,127	3%	545,946	3%
chr15	390,518	2%	443,958	2%	417,014	2%	299,533	2%	432,141	2%	420,614	2%
chr16	396,054	2%	431,301	2%	392,032	2%	346,963	2%	434,559	2%	415,372	2%
chr17	456,374	2%	512,849	3%	486,653	3%	346,656	2%	501,099	2%	551,068	3%
chr18	329,673	2%	369,017	2%	352,269	2%	255,849	2%	367,134	2%	359,071	2%
chr19	312,264	2%	351,247	2%	327,962	2%	247,193	2%	337,474	2%	336,459	2%
chr20	283,951	1%	308,666	2%	293,834	2%	225,375	1%	292,268	1%	290,823	1%
chrUn	1,829,456	9%	1,615,647	8%	1,229,090	6%	1,962,532	13%	2,366,543	11%	1,412,121	7%

Sample	7		8		9		10		11		12	
Total reads	36,412,589		40,902,957		48,917,834		50,626,167		45,088,225		65,426,708	
Passed QC	26,257,458	72%	27,897,505	68%	33,771,269	69%	34,566,605	68%	33,657,330	75%	48,937,168	75%
Passed rRNA filter (rRNA filter)	25,096,980	96%	27,167,531	97%	33,004,915	98%	33,470,367	97%	32,476,489	96%	47,788,221	98%
	1,160,478	4%	729,974	3%	766,354	2%	1,096,238	3%	1,180,841	4%	1,148,947	2%
Mapped	20,495,271	82%	22,046,678	81%	26,699,235	81%	26,902,830	80%	26,554,081	82%	39,029,803	82%
Unmapped	4,601,709	18%	5,120,853	19%	6,305,680	19%	6,567,537	20%	5,922,408	18%	8,758,418	18%

Post-mapping filtering

Passed filter	18,260,155		19,505,557		24,054,543		24,087,251		23,384,087		34,550,496	
exon	3,966,822	22%	4,643,953	24%	5,274,072	22%	5,282,290	22%	4,822,345	21%	7,026,662	20%
exon-rev	27,849	0%	29,603	0%	42,485	0%	39,966	0%	38,248	0%	62,923	0%
intergenic	6,765,433	37%	6,721,272	34%	8,694,094	36%	7,967,935	33%	8,265,518	35%	10,754,690	31%
intron	3,279,199	18%	3,096,893	16%	5,045,527	21%	5,242,256	22%	5,633,720	24%	7,633,796	22%
intron-rev	286,555	2%	254,508	1%	342,646	1%	336,435	1%	351,380	2%	458,719	1%
junction	900,421	5%	1,066,135	5%	1,206,268	5%	1,174,584	5%	533,185	2%	1,583,625	5%
mitochondrial	2,876,626	16%	3,516,307	18%	3,226,256	13%	3,792,933	16%	3,518,271	15%	6,697,283	19%
promoter	76,839	0%	79,013	0%	107,593	0%	111,702	0%	106,453	0%	159,529	0%
promoter-rev	80,411	0%	97,873	1%	115,602	0%	139,150	1%	114,967	0%	173,269	1%
coding regions	4,867,243	27%	5,710,088	29%	6,480,340	27%	6,456,874	27%	5,355,530	23%	8,610,287	25%

Mapping by chromosome

chr1	1,498,493	8%	1,557,119	8%	2,139,451	9%	2,219,476	9%	2,175,117	9%	3,074,331	9%
chr2	1,066,560	6%	1,194,283	6%	1,543,822	6%	1,494,213	6%	1,430,554	6%	2,123,920	6%
chr3	912,484	5%	977,751	5%	1,316,531	5%	1,359,181	6%	1,279,342	5%	1,887,107	5%
chr4	793,400	4%	888,564	5%	1,135,774	5%	1,126,913	5%	1,071,671	5%	1,592,381	5%
chr5	1,104,065	6%	1,242,674	6%	1,556,192	6%	1,298,092	5%	1,256,534	5%	1,817,735	5%
chr6	571,736	3%	639,342	3%	842,510	4%	877,186	4%	834,826	4%	1,218,586	4%
chr7	897,829	5%	1,032,229	5%	1,360,788	6%	1,248,174	5%	1,181,147	5%	1,606,272	5%
chr8	795,430	4%	939,915	5%	1,171,695	5%	1,153,377	5%	1,058,935	5%	1,594,127	5%
chr9	607,785	3%	674,384	3%	908,369	4%	905,238	4%	840,255	4%	1,313,883	4%
chrM	2,876,626	16%	3,516,307	18%	3,226,256	13%	3,792,933	16%	3,518,271	15%	6,697,283	19%
chrX	319,319	2%	362,177	2%	446,936	2%	506,170	2%	488,387	2%	652,064	2%
chr10	723,317	4%	791,066	4%	1,093,922	5%	1,149,148	5%	1,079,485	5%	1,587,325	5%
chr11	347,726	2%	391,700	2%	514,879	2%	553,286	2%	536,270	2%	759,324	2%
chr12	223,288	1%	235,358	1%	321,556	1%	349,406	1%	327,634	1%	482,017	1%
chr13	419,723	2%	450,409	2%	582,153	2%	635,694	3%	612,351	3%	841,611	2%
chr14	411,173	2%	442,534	2%	630,132	3%	663,076	3%	646,504	3%	930,410	3%
chr15	312,569	2%	338,496	2%	469,305	2%	509,557	2%	514,967	2%	721,723	2%
chr16	380,682	2%	395,560	2%	539,973	2%	521,071	2%	498,180	2%	705,012	2%
chr17	398,036	2%	418,532	2%	583,477	2%	596,632	2%	614,753	3%	891,684	3%
chr18	271,378	1%	298,331	2%	410,089	2%	447,348	2%	430,782	2%	606,798	2%
chr19	264,648	1%	288,037	1%	390,276	2%	414,882	2%	387,818	2%	570,213	2%
chr20	232,161	1%	251,363	1%	332,895	1%	368,150	2%	355,389	2%	511,698	1%
chrUn	2,831,727	16%	2,179,426	11%	2,537,562	11%	1,898,048	8%	2,244,915	10%	2,364,992	7%