

**Table S2 Read Counts by Line and by Chromosome**

Line	X		2L		2R		3L		3R		4		Other	unmapped	All reads
	Mapped Reads	Avg DoC	Mapped Reads	Avg DoC	Mapped Reads	Avg DoC	Mapped Reads	Avg DoC	Mapped Reads	Avg DoC	Mapped Reads	Avg DoC	Mapped Reads	# Reads	
<b>Beijing, China</b>															
B04	3,036,688	13.5	3,294,733	14.2	3,020,949	14.1	3,469,105	14.0	4,012,220	14.2	212,663	15.7	3,690,254	1,725,808	22,462,420
B05	2,975,969	13.2	3,199,230	13.8	3,017,967	14.1	3,391,466	13.7	3,955,448	14.0	190,030	14.0	3,696,277	1,802,635	22,229,022
B10	3,006,384	13.3	3,249,286	14.0	2,992,388	14.0	3,420,409	13.8	3,958,669	14.0	201,815	14.9	4,363,567	1,583,002	22,775,520
B11	2,874,138	12.7	3,102,107	13.3	2,881,317	13.5	3,273,001	13.2	3,799,545	13.5	178,789	13.2	3,467,321	947,860	20,524,078
B12	3,117,248	13.8	3,387,218	14.6	3,107,037	14.5	3,588,896	14.5	4,128,763	14.7	215,253	15.9	3,988,871	1,042,874	22,576,160
B14	2,866,674	12.7	3,100,647	13.3	2,903,760	13.6	3,263,524	13.2	3,815,092	13.5	172,172	12.7	3,821,257	992,134	20,935,260
B23	2,680,424	11.9	2,885,414	12.4	2,703,854	12.7	3,052,229	12.3	3,565,008	12.6	163,975	12.1	2,938,173	1,500,197	19,489,274
B28	2,969,053	13.1	3,182,360	13.7	2,978,186	13.9	3,361,246	13.6	3,956,731	14.0	191,390	14.1	3,543,061	1,613,391	21,795,418
B38	2,967,684	13.1	3,188,412	13.7	2,985,929	14.0	3,376,369	13.6	3,911,689	13.9	185,567	13.7	3,511,111	1,002,299	21,129,060
B42	2,888,902	12.8	3,095,855	13.3	2,914,346	13.6	3,288,477	13.3	3,821,217	13.6	175,070	12.9	3,451,671	1,300,870	20,936,408
B43	2,836,306	12.6	3,050,177	13.1	2,857,044	13.4	3,231,038	13.0	3,754,890	13.3	173,324	12.8	3,407,559	1,351,016	20,661,354
B51	2,718,890	12.0	2,909,627	12.5	2,709,346	12.7	3,080,824	12.4	3,563,731	12.6	162,530	12.0	3,464,387	1,470,791	20,080,126
B52	2,980,418	13.2	3,201,375	13.8	3,039,420	14.2	3,400,459	13.7	3,979,801	14.1	170,940	12.6	3,250,693	1,045,958	21,069,064
B54	3,081,805	13.7	3,311,988	14.3	3,064,437	14.4	3,522,141	14.2	4,054,104	14.4	211,039	15.6	4,056,469	1,066,665	22,368,648
B59	2,297,710	10.2	2,658,126	11.5	2,250,237	10.6	2,774,998	11.2	3,013,778	10.7	219,460	16.2	3,974,267	321,486	17,510,062
<b>Ithaca, NY; North America</b>															
I01	3,226,159	14.3	3,508,949	15.1	3,214,396	15.0	3,713,192	15.0	4,260,913	15.1	250,279	18.5	4,353,981	2,120,995	24,648,864
I02	3,250,803	14.4	3,518,042	15.1	3,174,403	14.9	3,751,124	15.1	4,229,956	15.0	224,964	16.6	5,098,103	1,359,359	24,606,754
I03	3,337,483	14.8	3,622,081	15.6	3,286,862	15.4	3,833,662	15.5	4,370,088	15.5	233,148	17.2	4,186,246	1,638,022	24,507,592
I04	2,414,568	10.7	2,613,311	11.2	2,411,398	11.3	2,747,824	11.1	3,195,403	11.3	147,092	10.8	3,039,884	1,586,796	18,156,276
I06	2,296,416	10.2	2,683,927	11.6	2,312,681	10.9	2,795,719	11.3	3,079,207	11.0	191,818	14.2	3,429,044	1,300,110	18,088,922
I07	2,953,381	13.1	3,194,076	13.7	2,973,494	13.9	3,369,990	13.6	3,920,546	13.9	178,112	13.1	3,698,312	1,606,341	21,894,252
I13	3,341,466	14.8	3,614,755	15.6	3,274,832	15.3	3,826,004	15.4	4,364,808	15.5	233,200	17.2	4,884,146	2,490,161	26,029,372
I16	2,188,470	9.7	2,515,281	10.9	2,148,538	10.1	2,653,293	10.7	2,877,838	10.3	195,850	14.5	3,537,036	882,012	16,998,318
I17	3,480,184	15.4	3,771,246	16.2	3,381,971	15.8	3,978,544	16.0	4,500,611	16.0	251,956	18.6	4,348,931	2,175,781	25,889,224
I22	3,078,020	13.6	3,334,031	14.3	3,086,353	14.4	3,525,120	14.2	4,071,864	14.5	200,487	14.8	3,727,401	1,825,552	22,848,828
I23	3,400,043	15.1	3,681,958	15.8	3,378,539	15.8	3,914,561	15.8	4,500,820	16.0	220,345	16.2	3,971,172	1,726,272	24,793,710
I24	3,051,144	13.5	3,279,481	14.1	3,069,162	14.4	3,470,800	14.0	4,005,999	14.2	183,884	13.5	3,794,857	1,454,109	22,309,436
I26	2,336,786	10.4	2,691,791	11.6	2,344,720	11.0	2,796,824	11.3	3,125,576	11.1	189,769	14.0	3,421,484	320,876	17,227,826
I29	3,476,520	15.4	3,782,781	16.3	3,509,444	16.4	3,990,293	16.1	4,611,204	16.4	223,300	16.4	3,599,386	1,130,154	24,323,082
I31	2,685,643	11.9	2,864,483	12.3	2,683,780	12.6	3,015,219	12.2	3,520,315	12.5	159,047	11.7	3,065,260	1,450,553	19,444,300
I33	2,631,419	11.7	2,805,240	12.1	2,654,000	12.4	2,978,415	12.0	3,476,429	12.3	155,529	11.5	2,808,188	807,922	18,317,142

**Table S2 Read Counts by Line and by Chromosome cont.**

Line	X		2L		2R		3L		3R		4		Other	Unmapped	All reads
	Mapped Reads	Avg DoC	Mapped Reads	Avg DoC	Mapped Reads	Avg DoC	Mapped Reads	Avg DoC	Mapped Reads	Avg DoC	Mapped Reads	Avg DoC	Mapped Reads	# Reads	
<b>Ithaca, NY; North America cont.</b>															
I34	2,605,581	11.5	2,798,179	12.0	2,631,284	12.3	2,957,573	11.9	3,473,913	12.3	149,338	11.0	3,103,483	1,429,141	19,148,492
I35	2,650,204	11.8	2,889,464	12.4	2,688,141	12.6	3,038,748	12.3	3,541,389	12.6	163,575	12.0	3,050,198	1,098,427	19,120,146
I38	3,046,933	13.5	3,274,762	14.1	3,065,928	14.3	3,461,098	14.0	4,060,443	14.4	180,612	13.3	3,419,112	924,514	21,433,402
<b>Netherlands, Europe</b>															
N01	2,672,621	11.9	2,879,436	12.4	2,585,067	12.1	3,057,652	12.3	3,451,466	12.3	188,812	13.9	3,150,412	1,231,938	19,217,404
N02	2,885,047	12.8	3,099,663	13.4	2,793,423	13.1	3,280,875	13.3	3,719,541	13.2	201,465	14.8	3,417,667	1,246,813	20,644,494
N03	2,643,251	11.7	2,836,132	12.2	2,549,983	11.9	3,029,124	12.2	3,403,174	12.1	179,145	13.2	3,342,778	1,643,029	19,626,616
N04	2,714,598	12.0	2,906,524	12.5	2,616,973	12.3	3,115,407	12.6	3,504,246	12.5	188,258	13.9	3,241,832	1,581,186	19,869,024
N07	2,614,345	11.6	2,794,792	12.0	2,526,219	11.8	2,972,442	12.0	3,377,459	12.0	183,773	13.5	3,306,395	2,623,703	20,399,128
N10	2,762,048	12.2	2,966,830	12.8	2,671,331	12.5	3,141,768	12.7	3,567,745	12.7	194,015	14.3	3,365,200	2,774,081	21,443,018
N11	2,561,775	11.4	2,739,439	11.8	2,455,598	11.5	2,910,080	11.7	3,275,421	11.6	177,038	13.0	3,008,986	2,430,285	19,558,622
N13	2,007,332	8.9	2,178,327	9.4	1,944,961	9.1	2,302,586	9.3	2,589,275	9.2	139,667	10.3	2,953,696	2,888,632	17,004,476
N14	2,556,803	11.3	2,778,505	12.0	2,493,331	11.7	2,960,652	11.9	3,324,314	11.8	179,060	13.2	3,346,798	2,598,831	20,238,294
N15	2,140,351	9.5	2,305,988	9.9	2,060,129	9.6	2,443,834	9.9	2,764,036	9.8	153,206	11.3	2,792,190	2,385,130	17,044,864
N16	2,657,923	11.8	2,879,808	12.4	2,590,886	12.1	3,025,148	12.2	3,467,536	12.3	196,403	14.5	3,510,830	2,694,080	21,022,614
N17	2,720,721	12.1	2,912,528	12.5	2,633,445	12.3	3,104,319	12.5	3,538,345	12.6	190,261	14.0	3,546,928	1,188,533	19,835,080
N18	2,706,424	12.0	2,860,701	12.3	2,572,061	12.1	3,041,970	12.3	3,435,187	12.2	193,772	14.3	3,509,259	1,133,088	19,452,462
N19	2,545,409	11.3	2,721,587	11.7	2,472,318	11.6	2,918,159	11.8	3,292,900	11.7	178,014	13.1	3,378,758	1,801,793	19,308,938
N22	2,594,926	11.5	2,763,158	11.9	2,527,215	11.8	2,960,637	12.0	3,371,385	12.0	181,036	13.3	3,638,679	1,377,154	19,414,190
N23	2,680,173	11.9	2,872,055	12.4	2,592,838	12.1	3,072,860	12.4	3,463,906	12.3	191,237	14.1	3,806,792	1,297,673	19,977,534
N25	2,483,169	11.0	2,653,241	11.4	2,380,018	11.2	2,814,972	11.4	3,182,260	11.3	170,859	12.6	2,986,125	1,695,424	18,366,068
N29	2,394,677	10.6	2,560,181	11.0	2,313,070	10.8	2,736,354	11.1	3,096,088	11.0	171,944	12.7	2,879,955	876,081	17,028,350
N30	2,601,721	11.5	2,810,593	12.1	2,524,842	11.8	2,962,690	12.0	3,343,543	11.9	185,376	13.7	3,098,593	1,311,580	18,838,938
<b>Tasmania, Australia</b>															
T01	2,609,342	11.6	2,806,398	12.1	2,538,444	11.9	2,963,810	12.0	3,377,590	12.0	187,856	13.8	3,187,477	1,596,685	19,267,602
T04	2,695,615	11.9	2,944,937	12.7	2,642,729	12.4	3,143,618	12.7	3,525,917	12.5	203,238	15.0	3,247,738	2,074,542	20,478,334
T05	2,212,527	9.8	2,393,906	10.3	2,163,829	10.1	2,536,623	10.2	2,890,343	10.2	155,773	11.4	2,921,670	2,073,635	17,348,306
T07	2,730,524	12.1	2,949,876	12.7	2,662,556	12.4	3,135,924	12.6	3,559,569	12.6	197,232	14.5	3,791,203	1,892,646	20,919,530
T09	2,614,884	11.6	2,836,286	12.2	2,575,365	12.1	3,007,487	12.1	3,433,549	12.2	191,110	14.1	3,399,748	1,592,453	19,650,882
T10	2,694,315	11.9	2,879,062	12.4	2,612,489	12.2	3,073,461	12.4	3,497,154	12.4	183,994	13.5	3,323,085	1,997,484	20,261,044
T14A	2,824,044	12.5	3,028,138	13.0	2,748,202	12.8	3,230,063	13.0	3,659,572	13.0	191,699	14.1	3,814,940	2,365,782	21,862,440
T22A	2,413,591	10.7	2,608,848	11.2	2,350,302	11.0	2,757,057	11.1	3,145,979	11.1	172,482	12.6	2,861,882	2,157,661	18,467,802
T23	2,084,131	9.2	2,255,754	9.7	2,026,514	9.5	2,399,362	9.7	2,720,426	9.7	138,360	10.2	2,615,391	2,707,958	16,947,896
T24	2,541,912	11.3	2,717,973	11.7	2,465,687	11.5	2,889,107	11.7	3,274,862	11.6	176,156	13.0	3,260,393	1,429,964	18,756,054
T25A	2,423,463	10.7	2,608,506	11.2	2,355,569	11.0	2,763,855	11.1	3,138,458	11.1	168,925	12.4	2,966,167	1,311,455	17,736,398

**Table S2 Read Counts by Line and by Chromosome *cont.***

Line	X		2L		2R		3L		3R		4		Other	Unmapped	All reads
	Mapped Reads	Avg DoC	Mapped Reads	Avg DoC	Mapped Reads	Avg DoC	Mapped Reads	Avg DoC	Mapped Reads	Avg DoC	Mapped Reads	Avg DoC	Mapped Reads	# Reads	
<b>Tasmania, Australia <i>cont.</i></b>															
T29A	2,726,239	12.1	2,934,365	12.6	2,632,961	12.3	3,106,046	12.5	3,539,226	12.6	193,836	14.3	3,228,284	2,408,727	20,769,684
T30A	2,750,016	12.2	2,970,764	12.8	2,668,337	12.5	3,133,105	12.6	3,558,955	12.6	193,316	14.2	3,331,261	1,208,494	19,814,248
T35	2,488,591	11.0	2,685,736	11.6	2,416,500	11.3	2,850,237	11.5	3,231,543	11.5	177,540	13.1	3,733,324	1,465,527	19,048,998
T36B	2,743,172	12.2	2,965,658	12.8	2,670,885	12.5	3,151,340	12.7	3,545,922	12.6	196,666	14.5	3,273,345	1,543,780	20,090,768
T39	2,725,523	12.1	2,924,030	12.6	2,637,324	12.3	3,111,731	12.6	3,523,461	12.5	190,848	14.1	3,437,056	1,411,785	19,961,758
T43A	2,154,291	9.5	2,317,445	10.0	2,078,454	9.7	2,459,230	9.9	2,775,729	9.8	152,223	11.2	2,621,449	2,902,111	17,460,932
T45B	2,330,496	10.3	2,529,899	10.9	2,337,976	10.9	2,693,901	10.9	3,090,043	11.0	149,005	11.0	2,992,793	1,560,437	17,684,550
<b>Zimbabwe, Africa</b>															
ZH23	2,575,459	11.4	2,766,549	11.9	2,533,300	11.8	2,959,179	11.9	3,383,858	12.0	188,712	13.9	3,439,165	1,804,756	19,650,978
ZH26	2,589,418	11.4	2,837,108	12.2	2,563,883	12.0	3,003,891	12.1	3,409,195	12.1	189,569	13.9	3,725,403	2,194,373	20,512,840
ZH33	2,649,472	11.7	2,856,989	12.3	2,727,304	12.8	3,031,176	12.2	3,579,097	12.7	151,893	11.2	3,130,759	1,104,706	19,231,396
ZH42	2,972,582	13.2	3,242,876	13.9	3,017,990	14.1	3,428,694	13.8	3,983,790	14.1	184,733	13.6	3,508,896	1,233,925	21,573,486
ZS10	2,559,281	11.3	2,790,297	12.0	2,603,958	12.2	2,946,016	11.9	3,430,725	12.2	159,830	11.8	3,152,941	1,067,284	18,710,332
ZW09	2,659,983	11.8	2,939,827	12.6	2,696,341	12.6	3,095,530	12.5	3,580,265	12.7	176,672	13.0	3,181,496	1,258,388	19,588,502
ZW139	2,729,548	12.1	3,024,063	13.0	2,795,696	13.1	3,222,144	13.0	3,708,748	13.1	177,553	13.1	3,033,429	1,308,819	20,000,000
ZW140	2,737,445	12.1	3,018,753	13.0	2,771,506	13.0	3,211,076	12.9	3,697,881	13.1	177,059	13.0	3,170,461	1,552,769	20,336,950
ZW142	2,751,245	12.2	3,015,481	13.0	2,758,944	12.9	3,212,675	13.0	3,692,034	13.1	181,030	13.3	3,415,925	972,666	20,000,000
ZW144	2,574,503	11.4	2,814,264	12.1	2,673,337	12.5	2,971,541	12.0	3,514,858	12.5	141,552	10.4	2,652,985	1,081,288	18,424,328
ZW155	2,693,520	11.9	2,959,209	12.7	2,721,907	12.7	3,130,876	12.6	3,619,366	12.8	172,586	12.7	3,013,541	1,878,607	20,189,612
ZW177	2,682,984	11.9	2,941,812	12.6	2,721,627	12.7	3,121,164	12.6	3,577,353	12.7	177,947	13.1	3,269,893	1,770,160	20,262,940
ZW184	2,730,523	12.1	3,001,890	12.9	2,806,159	13.2	3,158,435	12.8	3,673,716	13.1	162,684	12.0	3,122,647	1,721,408	20,377,462
ZW185	2,677,725	11.8	2,906,698	12.5	2,740,756	12.8	3,070,819	12.4	3,607,400	12.8	168,127	12.4	2,912,457	1,390,146	19,474,128