

Supplementary Table 1. STAC execution times. Execution time for each chromosome arm analyzed is given in hr:min:sec for each data set. The distributed version of STAC (STAC-Grid) was run on a Linux cluster using 20 nodes (1.1 GHz pentium III dual processor machines with 2 GB RAM). Times are based on 10,000 permutations and a search parameter of 10,000.

Supplementary Table 1. STAC Execution Times

Input Data	Runtime (hr:min:sec)	
	Neuroblastoma	Breast
chr1p_gain	0:04:10	0:05:55
chr1p_loss	0:53:12	0:03:38
chr1q_gain	0:35:54	1:04:17
chr1q_loss	0:01:18	0:02:03
chr2p_gain	0:11:14	0:05:39
chr2p_loss	0:02:21	0:03:29
chr2q_gain	0:02:19	0:04:49
chr2q_loss	0:01:52	0:03:20
chr3p_gain	0:01:22	0:02:51
chr3p_loss	0:12:01	0:04:16
chr3q_gain	0:02:34	0:03:48
chr3q_loss	0:02:42	0:03:50
chr4p_gain	0:01:58	0:04:06
chr4p_loss	0:02:26	0:06:43
chr4q_gain	0:01:27	0:02:18
chr4q_loss	0:02:25	0:13:39
chr5p_gain	0:02:16	0:03:33
chr5p_loss	0:02:04	0:03:54
chr5q_gain	0:01:23	0:02:31
chr5q_loss	0:03:03	0:04:35
chr6p_gain	0:02:29	0:04:23
chr6p_loss	0:01:20	0:03:45
chr6q_gain	0:00:27	0:03:46
chr6q_loss	0:03:07	0:08:03
chr7p_gain	0:05:51	0:03:38
chr7p_loss	0:01:12	0:02:53
chr7q_gain	0:05:53	0:03:57
chr7q_loss	0:02:36	0:03:37
chr8p_gain	0:03:51	0:04:04
chr8p_loss	0:01:53	0:13:59
chr8q_gain	0:02:58	7:06:10
chr8q_loss	0:01:42	0:02:10
chr9p_gain	0:01:35	0:03:26
chr9p_loss	0:03:15	0:05:55
chr9q_gain	0:03:20	0:07:03
chr9q_loss	0:01:44	0:03:36
chr10p_gain	0:02:02	0:03:55
chr10p_loss	0:03:33	0:02:04
chr10q_gain	1:12:16	0:04:49
chr10q_loss	0:06:10	0:03:20
chr11p_gain	0:02:31	0:03:00
chr11p_loss	0:04:13	0:03:42

Input Data	Runtime (hr:min:sec)	
	Neuroblastoma	Breast
chr11q_gain	0:03:29	0:04:33
chr11q_loss	0:08:14	0:05:24
chr12p_gain	0:03:16	0:04:50
chr12p_loss	0:02:12	0:03:13
chr12q_gain	0:04:43	0:05:03
chr12q_loss	0:02:58	0:04:17
chr13q_gain	0:03:15	0:03:04
chr13q_loss	0:04:02	0:09:53
chr14q_gain	0:03:32	0:03:55
chr14q_loss	0:06:12	0:04:02
chr15q_gain	0:04:51	0:05:28
chr15q_loss	0:03:13	0:04:01
chr16p_gain	0:02:56	0:07:52
chr16p_loss	0:03:09	0:02:10
chr16q_gain	0:06:33	0:06:03
chr16q_loss	0:04:19	0:08:06
chr17p_gain	0:03:09	0:02:56
chr17p_loss	0:03:48	0:03:39
chr17q_gain	7:26:23	0:23:29
chr17q_loss	0:03:15	0:02:45
chr18p_gain	0:03:32	0:02:37
chr18p_loss	0:02:11	0:04:42
chr18q_gain	0:02:46	0:04:41
chr18q_loss	0:07:29	0:04:37
chr19p_gain	0:03:04	0:06:58
chr19p_loss	0:01:47	0:01:59
chr19q_gain	0:03:29	0:10:03
chr19q_loss	0:02:32	0:02:00
chr20p_gain	0:03:17	0:07:15
chr20p_loss	0:02:50	0:02:22
chr20q_gain	0:11:48	1:00:25
chr20q_loss	0:01:39	0:01:58
chr21q_gain	0:03:30	0:03:50
chr21q_loss	0:01:58	0:03:34
chr22q_gain	0:06:04	0:17:29
chr22q_loss	0:02:02	0:02:38

	Neuroblastoma	Breast
Average	0:03:01	0:17:56
Median	0:02:23	0:03:52
Minimum	0:00:27	0:02:10
Maximum	31:27:53	31:27:53