

## A. GMS build report header

```
ssmith@blade14-2-16 ~> genome model build view id=135798051
'build' may require verification...
Resolving parameter 'build' from command argument 'id=135798051'... found 1
=== Build ===
Build ID: 135798051          Build Status: Succeeded
Model ID: 2891454547       Model Name: H_NJ-HCC1395-HCC1395.somatic_variation-1
Run by: mgriffit           Processing Profile ID: 2762562
Build Scheduled: 2013-03-18 14:52:49   Build Completed: 2013-03-20 23:38:04

Build Class: Genome::Model::Build::SomaticVariation
Software Revision: /gsc/scripts/opt/genome/snapshots/genome-3308/lib/perl/etc/perl:/usr/local/lib/site_perl
SoftwareResult Test Name(s): undef (9)
Data Directory: /gscmnt/gc13001/info/model_data/2891454547/build135798051

=== Workflow ===
ID: 43829885              Name: 135798051 Somatic Variation Pipeline
Started: 2013-03-18 14:52:59   Ended: 2013-03-20 23:37:58
User: mgriffit             Cache ID: 2743347

ID      Status  LSF ID      Start Time      Time Elapsed     Name
43829885 done     369510     2013-03-18 14:52:59  2d 08:44:59  135798051 Somatic Variation Pipeline
43829888 done     369510     2013-03-18 14:53:07  2d 07:36:00  Detect Variants
43829906 done     396424     2013-03-18 14:53:16  2d 06:27:23  DetectVariants2 Dispatcher
43829909 done     396424     2013-03-18 20:16:40  1d 22:58:22  indel varscan-somatic 2.2.6 #1
43829915 done     396409     2013-03-18 20:16:35  06:54:01    indel strelka 0.4.6.2 #3
43829917 done     369743     2013-03-18 14:53:51  06:32:16    cnv plot-cnv v1 #1
43829946 done     369743     2013-03-18 14:54:03  06:31:41    Plot Segments From Bams
43829950 done     369766     2013-03-18 14:54:11  04:22:54    normal bam-to-cn
43829949 done     369767     2013-03-18 14:54:12  06:04:15    tumor bam-to-cn
43829952 done     392434     2013-03-18 19:18:13  00:17:13    normal cnv-seg
43829951 done     399503     2013-03-18 20:59:35  00:24:00    tumor cnv-seg
43829953 done     399677     2013-03-18 21:24:42  00:00:02    plot segments
43829918 done     369702     2013-03-18 14:53:33  06:08:27    snv sniper 1.0.2 #4
43829921 done     shortcut   2013-03-18 14:53:54  05:22:25    indel pindel 0.5 #1
43829954 done     369772     2013-03-18 14:54:08  03:35:22    Pindel Detect Variants Module
43829957 done     369772     2013-03-18 14:54:17  03:34:12    Pindel
43829958 done     370210     2013-03-18 14:56:54  03:04:12    Pindel
43829959 done     370216     2013-03-18 14:57:19  02:14:10    Pindel
43829960 done     370222     2013-03-18 14:56:59  02:26:31    Pindel
43829961 done     370224     2013-03-18 14:57:00  02:02:54    Pindel
43829962 done     370228     2013-03-18 14:57:06  01:54:38    Pindel
43829963 done     370236     2013-03-18 14:57:05  03:08:22    Pindel
43829964 done     370237     2013-03-18 14:57:10  01:48:18    Pindel
43829965 done     370160     2013-03-18 14:56:32  01:17:04    Pindel
43829966 done     370163     2013-03-18 14:56:31  02:04:55    Pindel
43829967 done     370174     2013-03-18 14:57:01  01:33:52    Pindel
43829968 done     370177     2013-03-18 14:56:37  01:26:38    Pindel
43829969 done     370181     2013-03-18 14:56:40  01:04:19    Pindel
43829970 done     370185     2013-03-18 14:56:42  01:13:07    Pindel
43829971 done     370188     2013-03-18 14:56:43  00:58:46    Pindel
43829972 done     370193     2013-03-18 14:56:44  01:02:21    Pindel
43829973 done     370198     2013-03-18 14:56:48  01:05:06    Pindel
43829974 done     370201     2013-03-18 14:56:49  01:11:05    Pindel
43829975 done     370206     2013-03-18 14:56:49  01:05:41    Pindel
43829976 done     370208     2013-03-18 14:56:55  00:49:58    Pindel
43829977 done     370114     2013-03-18 14:56:10  00:35:44    Pindel
43829978 done     370115     2013-03-18 14:56:09  00:32:06    Pindel
43829979 done     370119     2013-03-18 14:56:09  00:50:56    Pindel
43829980 done     370124     2013-03-18 14:56:13  00:04:43    Pindel
43829981 done     370129     2013-03-18 14:56:15  00:01:11    Pindel
```

## B. GMS build report, subordinate workflows

ssmith — ssmith@blade14-2-16: ~ — ssh — 204x60					
43830040	done	369827	2013-03-18 14:54:46	00:06:17	Pindel
43849761	done		2013-03-18 19:55:15	00:20:56	Multi-Vcf Merge
43849764	done	394763	2013-03-18 19:55:23	00:19:48	Pindel2Vcf
43829925	done	369718	2013-03-18 14:53:40	12:27:05	sv breakdancer 1.3 #7
43829928	done	369726	2013-03-18 14:53:40	01:03:17	sv breakdancer 1.3 #8
43830058	done	370086	2013-03-18 14:55:51	00:57:30	Breakdancer by chromosome
43830059	done	370162	2013-03-18 14:56:31	00:58:35	Breakdancer by chromosome
43830060	done	370175	2013-03-18 14:56:40	00:38:22	Breakdancer by chromosome
43830061	done	370179	2013-03-18 14:56:51	00:56:15	Breakdancer by chromosome
43830062	done	370186	2013-03-18 14:56:43	00:44:13	Breakdancer by chromosome
43830063	done	370192	2013-03-18 14:56:42	00:33:07	Breakdancer by chromosome
43830064	done	370199	2013-03-18 14:56:48	00:47:26	Breakdancer by chromosome
43830065	done	370202	2013-03-18 14:56:48	00:31:28	Breakdancer by chromosome
43830066	done	370207	2013-03-18 14:56:55	00:29:24	Breakdancer by chromosome
43830067	done	370211	2013-03-18 14:56:54	00:27:43	Breakdancer by chromosome
43830068	done	370219	2013-03-18 14:57:00	00:32:57	Breakdancer by chromosome
43830069	done	370226	2013-03-18 14:56:59	00:31:53	Breakdancer by chromosome
43830070	done	370095	2013-03-18 14:55:56	00:21:45	Breakdancer by chromosome
43830071	done	370098	2013-03-18 14:55:58	00:21:20	Breakdancer by chromosome
43830072	done	370105	2013-03-18 14:56:02	00:28:35	Breakdancer by chromosome
43830073	done	370111	2013-03-18 14:56:01	00:36:22	Breakdancer by chromosome
43830074	done	370116	2013-03-18 14:56:07	00:21:00	Breakdancer by chromosome
43830075	done	370120	2013-03-18 14:56:10	00:15:58	Breakdancer by chromosome
43830076	done	370125	2013-03-18 14:56:16	00:14:26	Breakdancer by chromosome
43830077	done	370130	2013-03-18 14:56:15	00:13:03	Breakdancer by chromosome
43830078	done	370135	2013-03-18 14:56:21	00:07:22	Breakdancer by chromosome
43830079	done	370137	2013-03-18 14:56:19	00:12:09	Breakdancer by chromosome
43830080	done	370148	2013-03-18 14:56:25	00:21:32	Breakdancer by chromosome
43830081	done	370150	2013-03-18 14:56:26	00:01:10	Breakdancer by chromosome
43830082	done	370158	2013-03-18 14:56:32	00:01:31	Breakdancer by chromosome
43829930	done	369528	2013-03-18 14:53:27	02:37:40	cnv bam-to-cna v1 #1
43829931	done	369688	2013-03-18 14:53:26	10:13:17	snv samtools r963 #9
43829933	done	369739	2013-03-18 14:53:49	12:01:33	sv squaredancer 0.1 #1
43829935	done	369746	2013-03-18 14:53:56	11:39:44	indel gatk-somatic-indel 5336 #1
43829910	done	496673	2013-03-20 19:16:12	00:02:24	indel_varscan-somatic_2.2.6_#1 varscan-high-confidence-indel v1 #1
43829912	done	shortcut	2013-03-20 19:16:10	00:00:01	snv varscan-somatic 2.2.6 #1
43829916	done	shortcut	2013-03-19 03:11:37	00:00:01	snv strelka 0.4.6.2 #3
43829919	done	399513	2013-03-18 21:03:07	15:48:15	snv sniper_1.0.2_#4 false-positive v1 #2
43829922	done	396360	2013-03-18 20:16:29	02:03:13	indel_pindel_0.5_#1 pindel-somatic-calls v1 #1
43829926	done	404436	2013-03-19 03:21:54	05:27:52	sv_breakdancer_1.3_#7 novo-realign v1 #1
43829929	done	396384	2013-03-18 20:16:36	06:23:13	sv_breakdancer_1.3_#8 tigma-validation v1 #1
43852074	done	396561	2013-03-18 20:17:04	04:45:38	Tigma by chromosome
43852075	done	396902	2013-03-18 20:17:55	04:49:45	Tigma by chromosome
43852076	done	396908	2013-03-18 20:18:01	03:25:31	Tigma by chromosome
43852077	done	396925	2013-03-18 20:18:02	05:29:37	Tigma by chromosome
43852078	done	396938	2013-03-18 20:18:07	02:56:47	Tigma by chromosome
43852079	done	396943	2013-03-18 20:18:09	02:53:05	Tigma by chromosome
43852080	done	396969	2013-03-18 20:18:13	06:18:47	Tigma by chromosome
43852081	done	396989	2013-03-18 20:18:12	03:16:47	Tigma by chromosome
43852082	done	397013	2013-03-18 20:18:19	02:10:56	Tigma by chromosome
43852083	done	397040	2013-03-18 20:18:24	01:51:11	Tigma by chromosome
43852084	done	396578	2013-03-18 20:17:08	01:37:22	Tigma by chromosome
43852085	done	396598	2013-03-18 20:17:11	01:55:34	Tigma by chromosome
43852086	done	396603	2013-03-18 20:17:15	01:11:36	Tigma by chromosome
43852087	done	396633	2013-03-18 20:17:20	03:05:45	Tigma by chromosome
43852088	done	396656	2013-03-18 20:17:20	01:26:17	Tigma by chromosome
43852089	done	396671	2013-03-18 20:17:26	03:33:39	Tigma by chromosome
43852090	done	396703	2013-03-18 20:17:27	01:30:20	Tigma by chromosome
43852091	done	396725	2013-03-18 20:17:35	01:35:22	Tigma by chromosome
43852092	done	396745	2013-03-18 20:17:37	00:48:28	Tigma by chromosome

C.GMS build report, subordinate workflows - continued

Job ID	Status	Job ID	Start Time	End Time	Description
43852092	done	396745	2013-03-18 20:17:37	00:48:28	Tigra by chromosome
43852093	done	396764	2013-03-18 20:17:37	01:04:45	Tigra by chromosome
43852094	done	396782	2013-03-18 20:17:44	00:31:32	Tigra by chromosome
43852095	done	396789	2013-03-18 20:17:43	01:06:08	Tigra by chromosome
43852096	done	396805	2013-03-18 20:17:49	01:05:51	Tigra by chromosome
43852097	done	396835	2013-03-18 20:17:50	00:15:24	Tigra by chromosome
43852098	done	396874	2013-03-18 20:17:55	00:00:22	Tigra by chromosome
43829942	done	399684	2013-03-18 21:27:15	00:00:10	union cnv_bam-to-cna_v1_#1 cnv_plot-cnv_v1_#1
43829932	done	403802	2013-03-19 01:07:53	00:09:40	snv_samtools_r963_#9 snp-filter v1 #1
43829934	done	404327	2013-03-19 02:56:29	00:40:30	sv_squaredancer_0.1_#1 tigra-validation v1 #1
43858170	done	404328	2013-03-19 02:56:46	00:21:15	Tigra by chromosome
43858171	done	404345	2013-03-19 02:57:39	00:20:01	Tigra by chromosome
43858172	done	404346	2013-03-19 02:57:40	00:22:45	Tigra by chromosome
43858173	done	404347	2013-03-19 02:57:47	00:36:29	Tigra by chromosome
43858174	done	404348	2013-03-19 02:57:46	00:31:16	Tigra by chromosome
43858175	done	404349	2013-03-19 02:57:51	00:33:13	Tigra by chromosome
43858176	done	404350	2013-03-19 02:57:53	00:35:58	Tigra by chromosome
43858177	done	404351	2013-03-19 02:58:00	00:25:52	Tigra by chromosome
43858178	done	404353	2013-03-19 02:58:04	00:24:43	Tigra by chromosome
43858179	done	404354	2013-03-19 02:58:04	00:24:24	Tigra by chromosome
43858180	done	404329	2013-03-19 02:56:53	00:25:46	Tigra by chromosome
43858181	done	404330	2013-03-19 02:56:52	00:21:43	Tigra by chromosome
43858182	done	404331	2013-03-19 02:56:58	00:18:45	Tigra by chromosome
43858183	done	404332	2013-03-19 02:56:58	00:25:23	Tigra by chromosome
43858184	done	404333	2013-03-19 02:57:04	00:18:26	Tigra by chromosome
43858185	done	404334	2013-03-19 02:57:04	00:17:43	Tigra by chromosome
43858186	done	404335	2013-03-19 02:57:10	00:24:55	Tigra by chromosome
43858187	done	404336	2013-03-19 02:57:10	00:20:43	Tigra by chromosome
43858188	done	404337	2013-03-19 02:57:18	00:24:49	Tigra by chromosome
43858189	done	404338	2013-03-19 02:57:21	00:16:24	Tigra by chromosome
43858190	done	404339	2013-03-19 02:57:21	00:11:47	Tigra by chromosome
43858191	done	404340	2013-03-19 02:57:27	00:11:23	Tigra by chromosome
43858192	done	404341	2013-03-19 02:57:28	00:12:26	Tigra by chromosome
43858193	done	404342	2013-03-19 02:57:34	00:06:31	Tigra by chromosome
43858194	done	404344	2013-03-19 02:57:34	00:00:55	Tigra by chromosome
43829936	done	404035	2013-03-19 02:34:51	00:30:24	indel_gatk-somatic-indel_5336_#1 false-indel v1 #2
43829911	done	496870	2013-03-20 19:19:46	00:59:39	indel_varscaan-somatic_2.2.6_#1 false-indel v1 #2
43829913	done	496678	2013-03-20 19:16:23	00:09:22	snv_varscaan-somatic_2.2.6_#1 varscaan-high-confidence v1 #1
43829920	done	416781	2013-03-19 12:52:31	03:43:40	snv_sniper_1.0.2_#4 somatic-score-mapping-quality v1 #5
43829923	done	401439	2013-03-18 22:20:54	06:19:16	indel_pindel_0.5_#1 pindel-vaf-filter v1 #6
43829927	done	407519	2013-03-19 08:50:56	01:27:34	sv_breakdancer_1.3_#7 tigra-validation v1 #1
43859105	done	407521	2013-03-19 08:51:18	00:05:46	Tigra by chromosome
43859106	done	407533	2013-03-19 08:51:53	00:08:34	Tigra by chromosome
43859107	done	407534	2013-03-19 08:51:58	00:08:57	Tigra by chromosome
43859108	done	407552	2013-03-19 08:52:03	00:10:08	Tigra by chromosome
43859109	done	407571	2013-03-19 08:52:04	00:19:26	Tigra by chromosome
43859110	done	407572	2013-03-19 08:52:09	00:26:57	Tigra by chromosome
43859111	done	407573	2013-03-19 08:52:09	00:23:08	Tigra by chromosome
43859112	done	407574	2013-03-19 08:52:15	00:14:33	Tigra by chromosome
43859113	done	407575	2013-03-19 08:52:15	00:43:36	Tigra by chromosome
43859114	done	407576	2013-03-19 08:52:21	00:25:30	Tigra by chromosome
43859115	done	407577	2013-03-19 08:52:21	00:45:56	Tigra by chromosome
43859116	done	407578	2013-03-19 08:52:26	00:11:06	Tigra by chromosome
43859117	done	407579	2013-03-19 08:52:32	00:20:08	Tigra by chromosome
43859118	done	407581	2013-03-19 08:52:32	00:19:56	Tigra by chromosome
43859119	done	407522	2013-03-19 08:51:18	00:56:51	Tigra by chromosome
43859120	done	407523	2013-03-19 08:51:24	00:28:05	Tigra by chromosome
43859121	done	407524	2013-03-19 08:51:30	00:29:05	Tigra by chromosome
43859122	done	407526	2013-03-19 08:51:29	00:21:40	Tigra by chromosome
43859123	done	407527	2013-03-19 08:51:36	00:42:34	Tigra by chromosome

## D. GMS build report, subordinate workflows - continued

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ssmith@blade14-2-16: ~ -- ssh -- 204x60

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43858181	done	404330	2013-03-19 02:56:52	00:21:43	Tigra by chromosome
43858182	done	404331	2013-03-19 02:56:58	00:18:45	Tigra by chromosome
43858183	done	404332	2013-03-19 02:56:58	00:25:23	Tigra by chromosome
43858184	done	404333	2013-03-19 02:57:04	00:18:26	Tigra by chromosome
43858185	done	404334	2013-03-19 02:57:04	00:17:43	Tigra by chromosome
43858186	done	404335	2013-03-19 02:57:10	00:24:55	Tigra by chromosome
43858187	done	404336	2013-03-19 02:57:10	00:20:43	Tigra by chromosome
43858188	done	404337	2013-03-19 02:57:18	00:24:49	Tigra by chromosome
43858189	done	404338	2013-03-19 02:57:21	00:16:24	Tigra by chromosome
43858190	done	404339	2013-03-19 02:57:21	00:11:47	Tigra by chromosome
43858191	done	404340	2013-03-19 02:57:27	00:11:23	Tigra by chromosome
43858192	done	404341	2013-03-19 02:57:28	00:12:26	Tigra by chromosome
43858193	done	404342	2013-03-19 02:57:34	00:06:31	Tigra by chromosome
43858194	done	404344	2013-03-19 02:57:34	00:00:55	Tigra by chromosome
43829936	done	404835	2013-03-20 02:34:51	00:30:24	indel_gatk-somatic-indel_5336_#1 false-indel v1 #2
43829911	done	496870	2013-03-20 19:19:46	00:59:39	indel_varscan-somatic_2.2.6_#1 false-indel v1 #2
43829913	done	496878	2013-03-20 19:16:23	00:09:22	snv_varscan-somatic_2.2.6_#1 varscan-high-confidence v1 #1
43829920	done	416781	2013-03-19 12:52:31	03:43:40	snv_sniper_1.0.2_#4 somatic-score-mapping-quality v1 #5
43829923	done	401439	2013-03-19 22:20:54	06:19:16	indel_pindel_0.5_#1 pindel-vaf-filter v1 #6
43829927	done	407519	2013-03-19 08:50:56	01:27:34	sv_breakdancer_1.3_#7 tigra-validation v1 #1
43859105	done	407521	2013-03-19 08:51:18	00:05:46	Tigra by chromosome
43859106	done	407533	2013-03-19 08:51:53	00:00:34	Tigra by chromosome
43859107	done	407534	2013-03-19 08:51:58	00:00:57	Tigra by chromosome
43859108	done	407552	2013-03-19 08:52:03	00:10:08	Tigra by chromosome
43859109	done	407571	2013-03-19 08:52:04	00:19:26	Tigra by chromosome
43859110	done	407572	2013-03-19 08:52:09	00:26:57	Tigra by chromosome
43859111	done	407573	2013-03-19 08:52:09	00:23:00	Tigra by chromosome
43859112	done	407574	2013-03-19 08:52:15	00:14:33	Tigra by chromosome
43859113	done	407575	2013-03-19 08:52:15	00:43:36	Tigra by chromosome
43859114	done	407576	2013-03-19 08:52:21	00:25:30	Tigra by chromosome
43859115	done	407577	2013-03-19 08:52:21	00:45:56	Tigra by chromosome
43859116	done	407578	2013-03-19 08:52:26	00:11:06	Tigra by chromosome
43859117	done	407579	2013-03-19 08:52:32	00:20:08	Tigra by chromosome
43859118	done	407581	2013-03-19 08:52:32	00:19:56	Tigra by chromosome
43859119	done	407522	2013-03-19 08:51:18	00:56:51	Tigra by chromosome
43859120	done	407523	2013-03-19 08:51:24	00:28:05	Tigra by chromosome
43859121	done	407524	2013-03-19 08:51:30	00:29:05	Tigra by chromosome
43859122	done	407526	2013-03-19 08:51:29	00:21:40	Tigra by chromosome
43859123	done	407527	2013-03-19 08:51:36	00:42:34	Tigra by chromosome
43859124	done	407528	2013-03-19 08:51:38	01:24:19	Tigra by chromosome
43859125	done	407529	2013-03-19 08:51:41	00:22:32	Tigra by chromosome
43859126	done	407530	2013-03-19 08:51:41	00:28:46	Tigra by chromosome
43859127	done	407531	2013-03-19 08:51:47	00:35:58	Tigra by chromosome
43859128	done	407532	2013-03-19 08:51:52	00:00:28	Tigra by chromosome
43829939	done	581204	2013-03-20 20:20:34	00:01:00	unionunique indel_varscan-somatic_2.2.6_#1 indel_strelka_0.4.6.2_#3
43829914	done	497428	2013-03-20 19:26:54	01:29:08	snv_varscan-somatic_2.2.6_#1 false-positive v1 #2
43829943	done	432306	2013-03-19 16:37:16	00:06:07	intersect_snv_santools_r963_#9 snv_sniper_1.0.2_#4
43829924	done	405162	2013-03-19 04:41:23	00:38:45	indel_pindel_0.5_#1 pindel-read-support v1 #1
43829937	done	409395	2013-03-19 10:19:39	00:00:12	union sv_breakdancer_1.3_#7 sv_breakdancer_1.3_#8
43829944	done	502579	2013-03-20 20:57:15	00:06:20	unionunique snv_varscan-somatic_2.2.6_#1 snv_strelka_0.4.6.2_#3
43829940	done	501342	2013-03-20 20:22:43	00:03:44	unionunique indel_pindel_0.5_#1 unionunique-indel_varscan-somatic_2.2.6_1-indel_strelka_0.4.6.2_3
43829938	done	409439	2013-03-19 10:20:58	00:00:12	union union-sv_breakdancer_1.3_7-sv_breakdancer_1.3_8 sv_squaredancer_0.1_#1
43829945	done	503025	2013-03-20 21:04:45	00:14:54	unionunique intersect-snv_santools_r963_9-snv_sniper_1.0.2_4 unionunique-snv_varscan-somatic_2.2.6_1-snv_strelka_0.4.6.2_3
43829941	done	501611	2013-03-20 20:27:36	00:01:07	unionunique indel_gatk-somatic-indel_5336_#1 unionunique-indel_pindel_0.5_1-unionunique-indel_varscan-somatic_2.2.6_1-indel_strelka_0.4.6.2_3
43829889	done	504072	2013-03-20 22:30:19	00:00:37	Identify LOH
43829890	done	504073	2013-03-20 22:32:11	00:00:11	Identify Previously Discovered Variations
43829891	done	504074	2013-03-20 22:33:32	00:02:04	Tier Variants
43829892	done	504078	2013-03-20 22:36:43	01:00:15	Annotate And Upload Variants

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