Tasks: 160 total, 50 running, 110 sleeping, 0 stopped, 0 zombie %Cpu(s): 92.2 us. 5.1 sy, 2.7 ni, 0.0 id, **0.0** wa, **0.0** hi, **0.0** si, KiB Mem: 33007369+total, 65197940 free, 24934041+used, 15535340 buff/cache KiB Swap: 31457276 total, 10980988 free, 20476288 used, 78719936 avail Mem

PID	USER	PR	ΝI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+	COMMAND	
27740	ZWS	20	0	4393856	4.188g	1856	R	100.0	1.3	176:18.53	vce-Linux-x86_6	
27776	zws	20	0	4394080	4.189g	1856	R	100.0	1.3	175:32.06	vce-Linux-x86_6	
27814	ZWS	20	0	4394240	4.189g	1836	R	100.0	1.3	175:47.74	vce-Linux-x86_6	
28001	zws	20	0	4393760	4.188g	1856	R	100.0	1.3	175:27.76	vce-Linux-x86_6	
28182	zws	20	0	8889	312	132	R	100.0	0.0	17125:47	FImpute	
31855	zws	20	0	4396572	4.190g	1472	R	100.0	1.3	67:25.00	vce-Linux-x86_6	
31989	zws	20	0	4394564	4.188g	1472	R	100.0	1.3	67:14.93	vce-Linux-x86_6	
32931	zws	20	0	4398188	4.192g	1600	R	100.0	1.3	67:12.08	vce-Linux-x86_6	
1144	zws	20	0	4409960	4.203g	1096	R	100.0	1.3	997:07.20	vce-Linux-x86_6	
11857	zws	20	0	4396916	4.191g	1344	R	100.0	1.3	1239:45	vce-Linux-x86_6	
11900	zws	20	0	4409140	4.203q	1836	R	100.0	1.3	1239:17	vce-Linux-x86 6	
11949	zws	20	0	4397548	4.191q	840	R	100.0	1.3	1239:54	vce-Linux-x86 6	
11967	zws	20	0	4396168	4.190g	1344	R	100.0	1.3	1239:40	vce-Linux-x86_6	

0 4397056 4.190g 11986 zws 20 0 R 100.0 1.3 1239:32 vce-Linux-x86 6 12034 zws 20 0 4408092 4.202q 1856 R 100.0 1.3 1239:47 vce-Linux-x86\_6 12096 zws 1.3 20 0 4395012 4.189a 1472 R 100.0 1239:56 vce-Linux-x86 6 12116 zws 20 0 4408544 4.202g 1856 R 100.0 1.3 1239:38 vce-Linux-x86\_6

12306 zws 0 4408280 4.202q 1.3 908:15.10 vce-Linux-x86 6 20 1856 R 100.0 27687 zws 20 0 4394064 4.189a 1856 R 100.0 1.3 176:02.42 vce-Linux-x86 6 20 0 4394736 4.189q 1856 R 100.0 1.3 176:13.05 vce-Linux-x86 6 20 0 4394396 4.189a 1856 R 100.0 1.3 176:04.07 vce-Linux-x86 6 20 0 4394360 4.189q 1856 R 100.0 1.3 175:37.07 vce-Linux-x86\_6 20 0 4393500 4.188a 1856 R 100.0 1.3 176:03.63 vce-Linux-x86 6 20 0 4394992 4.189g 1856 R 100.0 1.3 175:11.83 vce-Linux-x86\_6 20 0 4394640 4.189a 1856 R 100.0 1.3 175:46.45 vce-Linux-x86 6 20 8889 308 132 R 100.0 0.0 14702:49 FImpute 0 4408560 4.202q 1856 R 100.0 1078:11 vce-Linux-x86 6 20 1.3 0 4397668 4.191g 20 1472 R 100.0 1.3 67:18.41 vce-Linux-x86 6 20 0 4396016 4.190q 1472 R 100.0 1.3 66:57.09 vce-Linux-x86\_6 20 0 4364912 4.162a 1836 R 100.0 1.3 60:50.51 vce-Linux-x86 6 20 0 4397820 4.190q 12 R 99.7 1.3 1240:06 vce-Linux-x86\_6 20 0 4406892 4.201a 1856 R 99.7 1.3 1145:05 vce-Linux-x86 6 20 0 4397220 4.191a 1472 R 99.7 1.3 67:15.96 vce-Linux-x86\_6 0 4407944 4.202a 1856 R 99.3 1.3 914:23.59 vce-Linux-x86 6 20

27758 zws 27832 zws 27881 zws 27926 zws 27953 zws 27972 zws 29800 zws 31727 zws 31834 zws 33010 zws 34153 zws 11824 zws 23677 zws 32260 zws 11418 zws 38614 zws 20 0 29.367g 0.014t 2296 R 99.3 4.5 35782:51 R 29143 zws 20 0 8880 312 132 R 98.7 0.0 17109:43 FImpute 11902 zws 20 0 4407912 4.202a 1856 R 97.4 1.3 910:45.32 vce-Linux-x86\_6 12053 zws 20 0 4407244 4.201q 1856 R 97.4 1.3 1239:44 vce-Linux-x86\_6 16346 zws 20 0 4409436 4.203a 1856 R 97.0 1.3 1204:48 vce-Linux-x86 6 37084 zws 19 2618204 2.479q 4904 R 24.4 0.8 6:58.76 GenSel4R 39 37092 zws 39 19 1353972 1.274a 5288 R 22.1 0.4 6:44.64 GenSel4R 37100 zws 39 19 2567124 2.431g 4708 R 22.1 0.8 6:47.55 GenSel4R 37124 zws 39 19 12.172g 0.012t 4540 R 17.5 3.9 6:48.63 GenSel4R

4536 R

15.8 4.2 6:47.48 GenSel4R

37076 zws

39

19 13.335g 0.013t