



**C**

Group	Program	Speedup	Pattern	Features							
				Butil	Wblen	Pfault	Wsize	Rsize	Wiops	CAR	Riops
$G_+$	GATK Baserecal	78.4	1	0.71	0.88	0.96	0.81	0.01	0.89	0.72	0.91
	SAMtools	77.2									
	BLAT	23.6									
	Reptile	13.7									
	ABYSS	51.7	2	0.79	0.84	1.00	0.66	0.71	0.36	0.05	0.58
	Cluster3	50									
	GATK Aligner	12.6	3	0.13	0.65	0.78	0.78	0.46	0.70	0.76	0.75
	MAQ	10.1									
	Tophat	3.2									
	MC-UPGMA	2.7									
$G_0$	BLAST	1.08	4	0.05	0.23	0.38	0.50	0.97	0.39	0.81	0.80
	GATK Unified	1.05									
	Scripture	1.02									
	GATK Printreads	1.03									
	IGVTools	1.02									
	Bowtie2	1									
	BWA	1.09									
	AmpliconNoise	1	5	0.00	0.13	0.38	0.21	0.32	0.20	0.40	0.25
	MEME	1									
	MoSDi	1									
	WeederH	1									
ClustalW	1.06	5	0.00	0.13	0.38	0.21	0.32	0.20	0.40	0.25	
ErmineJ	0.97										