

**S6 Table. The GMS, conceptually related resources, and their features**

<b>Name</b>	<b>Published</b>	<b>Source Code</b>	<b>Commercial</b>	<b>Open Source</b>	<b>Analysis Tracking</b>	<b>Pipelines</b>
Genome Modeling System	Pending	Yes	No	Yes	Yes	G, S, R, D, C
Galaxy	Yes	Yes	No	Yes	Yes	G, S, R, D
bcbio-nextgen	No	Yes	No	Yes	No	G, S, R, D, C
Illumina BaseSpace	No	No	Yes	No	Yes	G, S, R, D, C
SeqWare	Yes	Yes	No	Yes	Yes	None
DNA Nexus Platform	No	Yes	Yes	Partial	Yes	G, S, R, C
gkno	No	Yes	No	Yes	No	G
GATK's Queue	No	Yes	Both	Partial	No	G, S, C
Appistry's Ayrris	No	No	Yes	No	No	G, S, C
Curoverse's Arvados	No	Yes	Both	Yes	Yes	G
CGA's Firehose	No	No	No	No	Yes	S, R,
Seven Bridges Genomics	No	No	Yes	No	Yes	G, R, D
ga4gh	No	Yes	Both	Yes	N/A	None
IBM's PowerGene Orchestrator	No	No	Yes	No	N/A	None
MIT STAR	Yes	Yes	No	Yes	No	None

Abbreviations: G = Germline, S = Somatic variation, R = RNA-seq expression, D = Differential expression, C = Clinical interpretation

For a more detailed and up to date version of this table maintained online, please refer to:

<https://github.com/genome/gms/wiki/The-GMS-compared-to-conceptually-related-resources>