



NOVASEQ X PLUS CONCORDANCE DATA WHOLE EXOME SEQUENCING

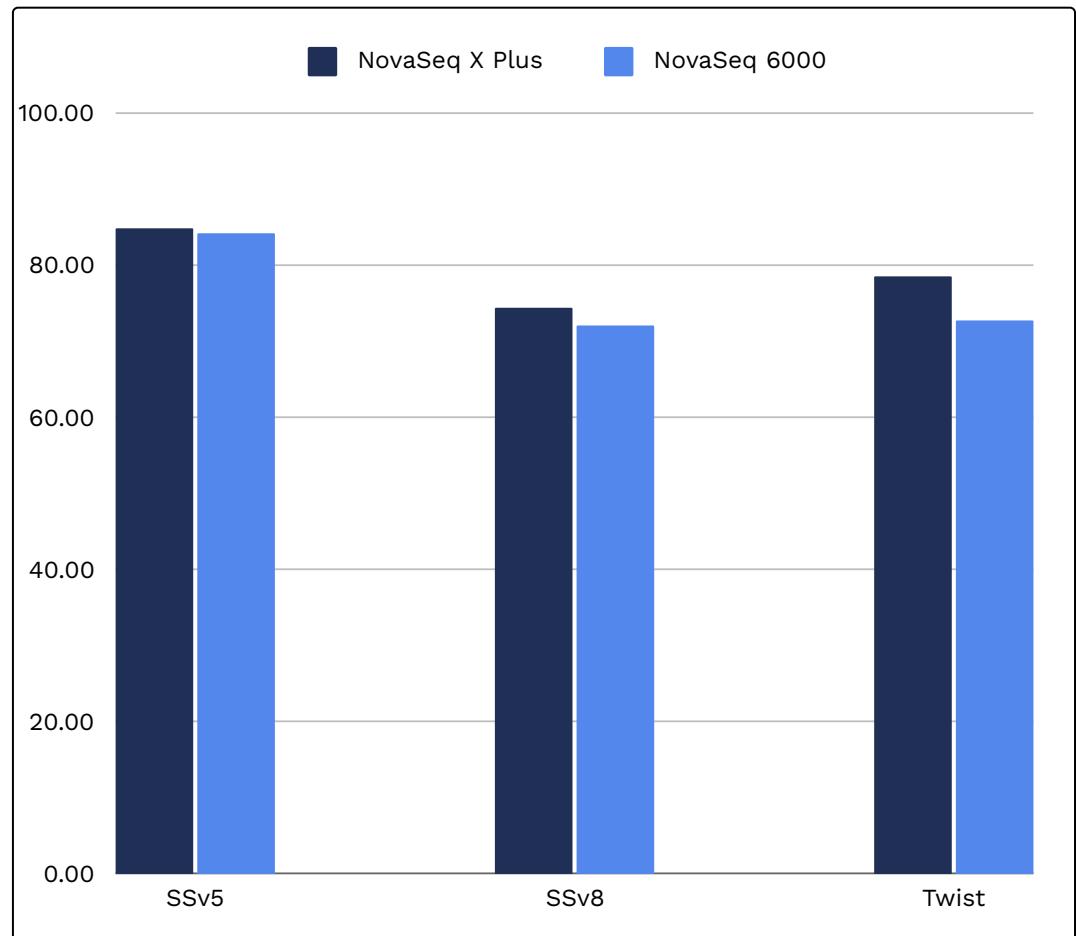
Psomagen labs conducted concordance analysis on our NovaSeq X Plus, and got results that are highly accurate, specific, and sensitive — at levels comparable to the NovaSeq 6000.

We're thrilled to gather positive results on the NovaSeq X Plus — our lab is continuing to improve our processes and get to know one of the newest members of our fleet. Please [visit our website](#) for additional concordance data, a white paper with further performance details, and much more. Here's to many successful runs to come!

Exome Raw Data Statistics

Kits	Platform	Q20	Q30	Total Yield (Mbps)
SSv5	NovaSeq X Plus	95.57	92.68	5291
	NovaSeq 6000	97.78	93.83	5399
SSv8	NovaSeq X Plus	95.33	92.20	2615
	NovaSeq 6000	97.37	92.80	3638
Twist	NovaSeq X Plus	95.37	92.30	5410
	NovaSeq 6000	96.47	91.10	5828

On-Target Read Ratio



NovaSeq X Plus Exome Data Comparable to NovaSeq 6000

WES Samples with SureSelect V5

	Type	True-pos	False-pos	False-neg	Precision	Sensitivity	F-measure
SureSelect V5 NovaSeq X Plus vs NovaSeq 6000	Total	41845	1665	2068	0.962	0.953	0.957
	SNP	39056	1155	1489	0.971	0.963	0.967
	InDel	2793	480	575	0.853	0.829	0.841

WES Samples with SureSelect V8

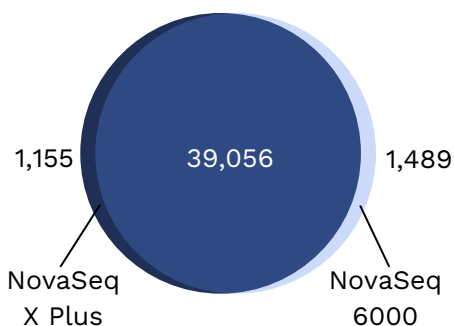
	Type	True-pos	False-pos	False-neg	Precision	Sensitivity	F-measure
SureSelect V8 NovaSeq X Plus vs NovaSeq 6000	Total	31297	1440	1678	0.956	0.949	0.953
	SNP	29737	1166	1357	0.962	0.956	0.959
	InDel	1561	240	319	0.867	0.830	0.848

WES Samples with Twist Kit

	Type	True-pos	False-pos	False-neg	Precision	Sensitivity	F-measure
Twist Kit NovaSeq X Plus vs NovaSeq 6000	Total	26734	840	1115	0.970	0.960	0.965
	SNP	25822	697	949	0.974	0.965	0.969
	InDel	923	136	153	0.872	0.858	0.865

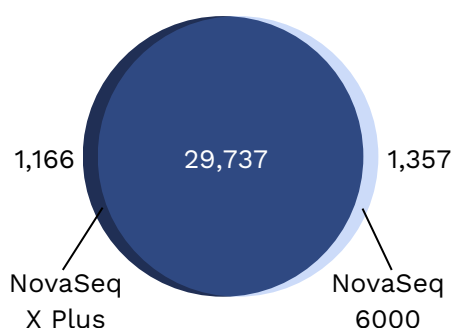
Venn Diagrams of SNPs between NovaSeq X Plus and NovaSeq 6000

NovaSeq X Plus vs
NovaSeq 6000 (SSv5)



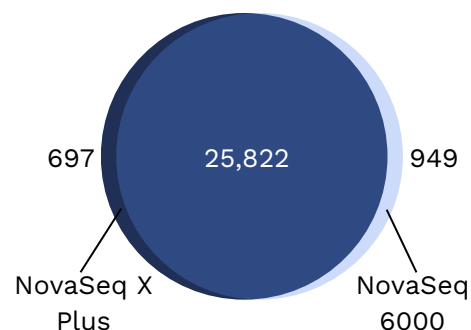
~97% detected mutations in the NovaSeq X Plus were shared with NovaSeq 6000

NovaSeq X Plus vs
NovaSeq 6000 (SSv8)



~96% detected mutations in the NovaSeq X Plus were shared with NovaSeq 6000

NovaSeq X Plus vs
NovaSeq 6000 (Twist)



~97% detected mutations in the NovaSeq X Plus were shared with NovaSeq 6000