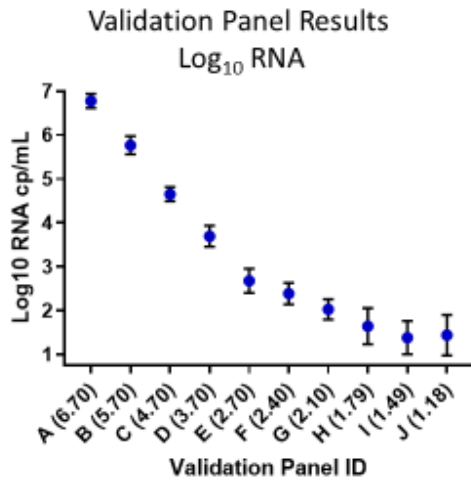


FIGURE 3. Validation data* for the SARS-CoV-2 quantitative viral load assay indicating 100% target detection at 62 copies/mL and 74% at 15 copies/mL — Duke University, Durham, North Carolina, August–October, 2020



Sample ID	Target Viral Load (RNA cp/mL)	Both Replicates Detected		Single Replicate Detected	
		Percent Detection	Exact Binomial 95% Confidence Boundaries	Percent Detection	Exact Binomial 95% Confidence Boundaries
Validation Panel A	5,000,000	100%	(94.9, NE)	100%	(94.9, NE)
Validation Panel B	500,000	100%	(94.9, NE)	100%	(94.9, NE)
Validation Panel C	50,000	100%	(94.9, NE)	100%	(94.9, NE)
Validation Panel D	5,000	100%	(94.9, NE)	100%	(94.9, NE)
Validation Panel E	500	100%	(94.9, NE)	100%	(94.9, NE)
Validation Panel F	250	100%	(94.9, NE)	100%	(94.9, NE)
Validation Panel G	125	99%	(92.3, 99.9)	100%	(94.9, NE)
Validation Panel H	62	83%	(72.0, 91.0)	100%	(94.9, NE)
Validation Panel I	31	56%	(43.3, 68.6)	94%	(86.0, 98.4)
Validation Panel J	15	27%	(17.2, 39.1)	74%	(62.0, 84.0)

N=70

* Genomic viral RNA was used to establish the validation panels.