

Vocabulary for QUALITY

	Q1	Q2	Q3
	Optimal quality	Sub Optimal Quality	Indeterminate Quality
DNA	80-90% of the DNA is a high molecular weight (MW)	<ul style="list-style-type: none"> Major peak at high MW but also a lower MW smear, <p>or</p> <ul style="list-style-type: none"> Major peak at low MW 	No bands, line is almost flat
RNA	2 rRNA peaks are sharp and visible	<ul style="list-style-type: none"> rRNA peaks visible but many other bands also visible <p>or</p> <ul style="list-style-type: none"> rRNA peaks not visible, most of the bands in the left side of the gel 	DV200 lower than 30%, <p>or</p> No bands on the gel

TABLE 5 – Nucleic acid quality categories for NGS.