

Materials List for:

# Rare Event Detection Using Error-corrected DNA and RNA Sequencing

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URL: <https://www.jove.com/video/57509>

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## Materials

Name	Company	Catalog Number	Comments
Q5 High Fidelity Hot Start Master Mix	New England BioLabs	M0492S	
Agencourt AMPure XP	Beckman Coulter	A63880	
Qubit dsDNA HS Assay Kit	Thermo Fisher Scientific	Q32854	
SYBR Safe DNA Gel Stain	Thermo Fisher Scientific	S33102	
Truseq Custom Amplicon Index Kit	Illumina	FC-130-1003	
UMI i5 adapter sequences	Integrated DNA Technologies	-	
NEBNext Ultra End Repair/dA-Tailing Module	New England BioLabs	E7442S	
NEBNext Ultra II Ligation Module	New England BioLabs	E7595S	
QX200 ddPCR EvaGreen Supermix	Bio-Rad	1864034	
QX200 Droplet Generation Oil for EvaGreen	Bio-Rad	1864005	
QX200 Droplet Digital PCR System	Bio-Rad	1864001	
ddPCR 96-Well Plates	Bio-Rad	12001925	
DG8 Cartridges for QX200/QX100 Droplet Generator	Bio-Rad	1864008	
DG8 Gaskets for QX200/QX100 Droplet Generator	Bio-Rad	1863009	
Bioanalyzer	Agilent Genomics	G2939BA	
TapeStation	Agilent Genomics	G2991AA	
TruSight Myeloid Sequencing Panel	Illumina	FC-130-1010	
Bowtie 2	Johns Hopkins University	-	
Customized QIAseq Targeted RNA Panel	Qiagen	-	
Rneasy Plus Mini Kit (50)	Qiagen	74134	