

Materials List for:

# Targeted DNA Methylation Analysis by Next-generation Sequencing

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## Materials

Name	Company	Catalog Number	Comments
Agilent 2100 Bioanalyzer	Agilent	G29393AA	
Agilent RNA 6000 Nano kit	Agilent	5067-1511	
Agilent High Sensitivity DNA kit	Agilent	5067-4626	
Typhoon 9200	Amersham/GE Healthcare Life Sciences		
Agencourt AMPure XP - PCR Purification	Beckman Coulter	A63880	5 ml
PowerPac Basic Power Supply	Bio Rad	164-5050	
twin.tech PCR plate 96	Eppendorf	951020362	semi-skirted
Heatsealing Film	Eppendorf	0030127838	
Heatsealing Foil	Eppendorf	0030127854	
Heat Sealer	Eppendorf	5390000.024	
0.1-10 µl Tips	Eppendorf	0030073.002	
2-200 µl Tips	Eppendorf	0030073.045	
50-1,000 µl Tips	Eppendorf	0030073.100	
MixMate	Eppendorf	5353000.014	
1.5 ml Microcentrifuge Tubes	Eppendorf	0030121.023	
Centrifuge 5424	Eppendorf	5424000.010	
2.0 ml Microcentrifuge Tube	Eppendorf	022363352	
<a href="#">Nextera XT DNA Sample Preparation Kit</a>	Illumina	FC-131-1024	24 rxn
<a href="#">Nextera XT Index Kit</a>	Illumina	FC-131-1001	24 indexes
<a href="#">MiSeq Desktop Sequencer</a>	Illumina		
<a href="#">MiSeq Reagent Kit v2</a>	Illumina	MS-102-2002	300 cycles
KAPA SYBR FAST Universal qPCR kit	KAPA Biosystems	KK4824	
Quant-iT PicoGreen dsDNA Assay kit	Life Technologies	P7589	
Quant-iT RiboGreen RNA Assay kit	Life Technologies	R11490	
ProFlex 96-well PCR system	Life Technologies	4484075	
Novex 6% TBE DNA gel	Life Technologies	EC6261BOX	10-well
Novex TBE Running Buffer	Life Technologies	LC6675	5x (1 L)
Novex Hi-Density TBE Sample Buffer	Life Technologies	LC6678	5x (10 ml)
1 Kb Plus DNA Ladder	Life Technologies	10787-018	
Xcell SureLock Mini-Cell	Life Technologies	EI0001	

UltraPure 10 mg/ml Ethidium Bromide	Life Technologies	15585-011	
7900HT Fast Real-Time PCR system	Life Technologies	4329001	384-well block
DynaMag-96 Side Skirted	Life Technologies	12027	
SpectroMax M2 Multi-Mode Microplate Reader	Molecular Devices/VWR	89429-532	
AllPrep DNA/RNA Mini Kit	Qiagen	80204	
Stainless Steel Beads	Qiagen	69989	5 mm
CLC Genomics Workbench	Qiagen		Software for methylation pipeline
QIAQuick PCR Purification kit	Qiagen	28104	50 rxn
TissueLyser II	Retsch/Qiagen	85300	
Nuclease-Free Water	Sigma	W4502	
TRIS hydrochloride	Sigma	PHG0002-100G	
Tween-20	Sigma	P9416-50ML	
NanoDrop 2000	Thermo Scientific		
384-well Full-Skirted Plate, Standard	Thermo Scientific	AB-1384	
Absolute qPCR Seal	Thermo Scientific	AB-1170	
EZ DNA Methylation-Lightning kit	Zymo Research	D5030	50 rxn
ZymoTaq DNA Polymerase	Zymo Research	E2001	50 rxn