

Sample	Subregion	Signet	Mucinous	Phenotype	Spatial hetero
TH313	ln	no	no	non-poorly cohesive	
	sup1	no	no	non-poorly cohesive	
	sup2	no	no	non-poorly cohesive	
	deep	no	no	non-poorly cohesive	
TH308	ln	no	no	non-poorly cohesive	
	sup1	no	no	non-poorly cohesive	
	sup2	no	yes	non-poorly cohesive	
	deep	no	no	non-poorly cohesive	
TH301	ln	no	no	non-poorly cohesive	
	sup1	no	no	non-poorly cohesive	
	sup2	no	no	non-poorly cohesive	
	deep	no	no	non-poorly cohesive	
TH311	sup1	no	no	non-poorly cohesive	
	sup2	no	no	non-poorly cohesive	
	deep	no	no	non-poorly cohesive	
TH293	ln	no	no	non-poorly cohesive	
	sup1	no	no	non-poorly cohesive	
	deep	no	no	non-poorly cohesive	
TH286	ln	no	no	poorly cohesive	
	sup1	no	no	poorly cohesive	
	deep	no	no	poorly cohesive	
TH195	sup1	no	no	non-poorly cohesive	
	sup2	no	no	non-poorly cohesive	
	deep	no	no	non-poorly cohesive	
TH263	ln	no	no	non-poorly cohesive	
	sup1	no	no	non-poorly cohesive	
	sup2	no	no	non-poorly cohesive	
	deep	no	no	non-poorly cohesive	
TH82	ln	no	no	non-poorly cohesive	
	sup1	no	no	non-poorly cohesive	
	sup2	no	no	non-poorly cohesive	
	deep	no	no	non-poorly cohesive	
TH211	ln	no	no	non-poorly cohesive	
	sup1	no	no	non-poorly cohesive	
	sup2	no	no	non-poorly cohesive	
	deep	no	no	non-poorly cohesive	
TH271	ln	no	no	poorly cohesive	
	sup1	no	no	poorly cohesive	
	sup2	no	no	poorly cohesive	
	deep	no	no	poorly cohesive	
TH112	ln	no	no	non-poorly cohesive	
	sup1	no	no	non-poorly cohesive	
	sup2	no	no	non-poorly cohesive	
	deep	no	no	non-poorly cohesive	

TH245	In	no	no	non-poorly cohesive	
	sup1	no	no	non-poorly cohesive	
	sup2	no	no	non-poorly cohesive	
	deep	no	no	non-poorly cohesive	
TH257	In	no	no	non-poorly cohesive	
	sup1	no	no	non-poorly cohesive	
	sup2	no	no	non-poorly cohesive	
	deep	no	no	non-poorly cohesive	
Th126	In	no	no	non-poorly cohesive	
	sup1	no	no	non-poorly cohesive	
	sup2	no	no	non-poorly cohesive	
	deep	no	no	non-poorly cohesive	
TH375	In	no	no	non-poorly cohesive	
	sup1	no	no	non-poorly cohesive	
	sup2	no	no	non-poorly cohesive	
	deep	no	no	non-poorly cohesive	
TH316	In	no	no	non-poorly cohesive	
	sup1	no	no	non-poorly cohesive	
	sup2	no	no	non-poorly cohesive	
	deep	no	no	non-poorly cohesive	
TH357	In	<10	no	poorly cohesive	
	sup1	<10	no	poorly cohesive	
	sup2	<10	no	poorly cohesive	
	deep	<10	no	poorly cohesive	
TH351	In	no	no	non-poorly cohesive	
	sup1	no	no	non-poorly cohesive	
	sup2	no	no	non-poorly cohesive	
	deep	no	no	non-poorly cohesive	
TH377	sup1	<10	no	poorly cohesive	
	sup2	<10	no	poorly cohesive	
	deep	<10	no	poorly cohesive	
TH325	sup1	no	no	non-poorly cohesive	
	sup2	no	no	non-poorly cohesive	
	deep	no	no	non-poorly cohesive	
TH366	sup1	no	no	non-poorly cohesive	
	sup2	no	no	non-poorly cohesive	
	deep	no	no	non-poorly cohesive	
TH339	In	no	no	non-poorly cohesive	Yes
	sup1	<10	no	poorly cohesive	
	sup2	no	no	non-poorly cohesive	
Th347	In	<10	no	poorly cohesive	
	sup2	<10	no	poorly cohesive	
	sup1	<10	no	poorly cohesive	
	deep	<10	no	poorly cohesive	
TH1000	In	no	no	poorly cohesive	Yes
	sup1	no	no	non-poorly cohesive	

	sup2	no	no	non-poorly cohesive	
	deep	no	no	non-poorly cohesive	
TH689	ln	no	no	non-poorly cohesive	
	sup1	no	no	non-poorly cohesive	
	sup2	no	no	non-poorly cohesive	
	deep	no	no	non-poorly cohesive	
TH358	sup1	no	no	non-poorly cohesive	
	sup2	no	no	non-poorly cohesive	
	deep	no	no	non-poorly cohesive	
TH691	ln	>90	no	poorly cohesive	
	sup1	>10-90	no	poorly cohesive	
	sup2	>10-90	no	poorly cohesive	
TH705	sup1	<10	no	poorly cohesive	
	sup2	<10	no	poorly cohesive	
	deep	>10-90	no	poorly cohesive	
TH765	ln	no	yes	mucinous	
	sup1	no	yes	mucinous	
	deep	no	yes	mucinous	
TH657	ln	<10	no	poorly cohesive	Yes
	sup1	no	no	non-poorly cohesive	
	sup2	<10	no	poorly cohesive	
	deep	>10-90	no	poorly cohesive	
TH630	ln	no	no	non-poorly cohesive	Yes
	sup1	no	no	non-poorly cohesive	
	sup2	no	no	non-poorly cohesive	
	deep	>10-90	no	poorly cohesive	
TH201	ln	no	no	non-poorly cohesive	
	sup1	no	no	non-poorly cohesive	
	sup2	no	no	non-poorly cohesive	
	deep	no	no	non-poorly cohesive	
TH391	sup1	no	no	non-poorly cohesive	
	sup2	no	no	non-poorly cohesive	
	deep	no	no	non-poorly cohesive	
TH752	ln	no	no	non-poorly cohesive	
	sup1	no	no	non-poorly cohesive	
	deep	no	no	non-poorly cohesive	
TH370	sup1	<10	no	poorly cohesive	
	sup2	<10	no	poorly cohesive	
	deep	<10	no	poorly cohesive	
TH439	sup1	no	no	non-poorly cohesive	
	sup2	no	no	non-poorly cohesive	
TH589	ln	<10	no	poorly cohesive	
TH660	ln	<10	no	poorly cohesive	
	sup1	<10	no	poorly cohesive	
	sup2	<10	no	poorly cohesive	
	deep	<10	no	poorly cohesive	

TH449	ln	no	no	non-poorly cohesive	
	sup1	no	no	non-poorly cohesive	
	sup2	no	no	non-poorly cohesive	
	deep	no	no	non-poorly cohesive	
TH684	ln	no	no	non-poorly cohesive	
	sup1	no	no	non-poorly cohesive	
	sup2	no	no	non-poorly cohesive	
	deep	no	no	non-poorly cohesive	
TH418	ln	no	no	non-poorly cohesive	
	sup1	no	no	non-poorly cohesive	
	sup2	no	no	non-poorly cohesive	
	deep	no	no	non-poorly cohesive	
TH420	ln	no	no	non-poorly cohesive	
	sup1	no	no	non-poorly cohesive	
	sup2	no	no	non-poorly cohesive	
	deep	no	no	non-poorly cohesive	
TH737	ln	no	no	non-poorly cohesive	
	sup1	no	no	non-poorly cohesive	
	sup2	no	no	non-poorly cohesive	
	deep	no	no	non-poorly cohesive	
TH276	ln	no	yes	mucinous	Yes
	sup1	no	yes	mucinous	
	sup2	no	no	non-poorly cohesive	
	deep	no	no	non-poorly cohesive	
TH309	ln	no	no	non-poorly cohesive	
	sup1	no	no	non-poorly cohesive	
	sup2	no	no	non-poorly cohesive	
	deep	no	no	non-poorly cohesive	
TH128	ln	no	no	poorly cohesive	
	sup1	no	no	poorly cohesive	
	sup2	no	no	poorly cohesive	
	deep	no	no	poorly cohesive	
TH387	ln	<10	no	poorly cohesive	Yes
	sup1	no	no	non-poorly cohesive	
	deep	<10	no	poorly cohesive	
TH266	ln	no	no	non-poorly cohesive	
	sup1	no	no	non-poorly cohesive	
	deep	no	no	non-poorly cohesive	
TH314	ln	no	no	non-poorly cohesive	
	sup1	no	no	non-poorly cohesive	
	sup2	no	no	non-poorly cohesive	
TH803	sup1	<10	no	poorly cohesive	
	sup2	<10	no	poorly cohesive	
	deep	<10	no	poorly cohesive	
TH720	ln	no	no	non-poorly cohesive	
	sup1	no	no	non-poorly cohesive	

TH300	sup2	no	no	non-poorly cohesive	
	deep	no	no	non-poorly cohesive	
TH659	ln	no	yes	mucinous	
	sup1	no	yes	mucinous	
	sup2	no	yes	mucinous	
	deep	no	yes	mucinous	
TH329	ln	no	no	non-poorly cohesive	Yes
	sup1	no	no	non-poorly cohesive	
	sup2	no	no	non-poorly cohesive	
	deep	<10	no	poorly cohesive	
TH196	ln	no	no	non-poorly cohesive	
	sup1	no	no	non-poorly cohesive	
TH679	sup1	no	no	non-poorly cohesive	
	sup2	no	no	non-poorly cohesive	
	deep	no	no	non-poorly cohesive	
TH194	ln	no	no	non-poorly cohesive	
	sup1	no	no	non-poorly cohesive	
	deep	no	no	non-poorly cohesive	
TH300	ln	no	no	non-poorly cohesive	
	sup1	no	no	non-poorly cohesive	
	sup2	no	no	non-poorly cohesive	
	deep	no	no	non-poorly cohesive	
TH306	ln	>10-90	no	poorly cohesive	
	sup1	>10-90	no	poorly cohesive	
	sup2	>10-90	no	poorly cohesive	
	deep	>90	no	poorly cohesive	
TH282	ln	no	no	non-poorly cohesive	Yes
	sup1	no	no	non-poorly cohesive	
	sup2	no	no	non-poorly cohesive	
	deep	>10-90	no	poorly cohesive	
TH295	ln	no	no	non-poorly cohesive	
	sup1	no	no	non-poorly cohesive	
	sup2	no	no	non-poorly cohesive	
	deep	no	no	non-poorly cohesive	
TH189	sup1	>90	no	poorly cohesive	
TH183	ln	<10	no	poorly cohesive	
	sup1	<10	no	poorly cohesive	
	sup2	<10	no	poorly cohesive	
	deep	<10	no	poorly cohesive	
	sup3	<10	no	poorly cohesive	
	sup4	<10	no	poorly cohesive	
	deep2	<10	no	poorly cohesive	
TH712	ln	no	no	non-poorly cohesive	
	sup2	no	no	non-poorly cohesive	
	sup1	no	no	non-poorly cohesive	
	deep	no	no	non-poorly cohesive	