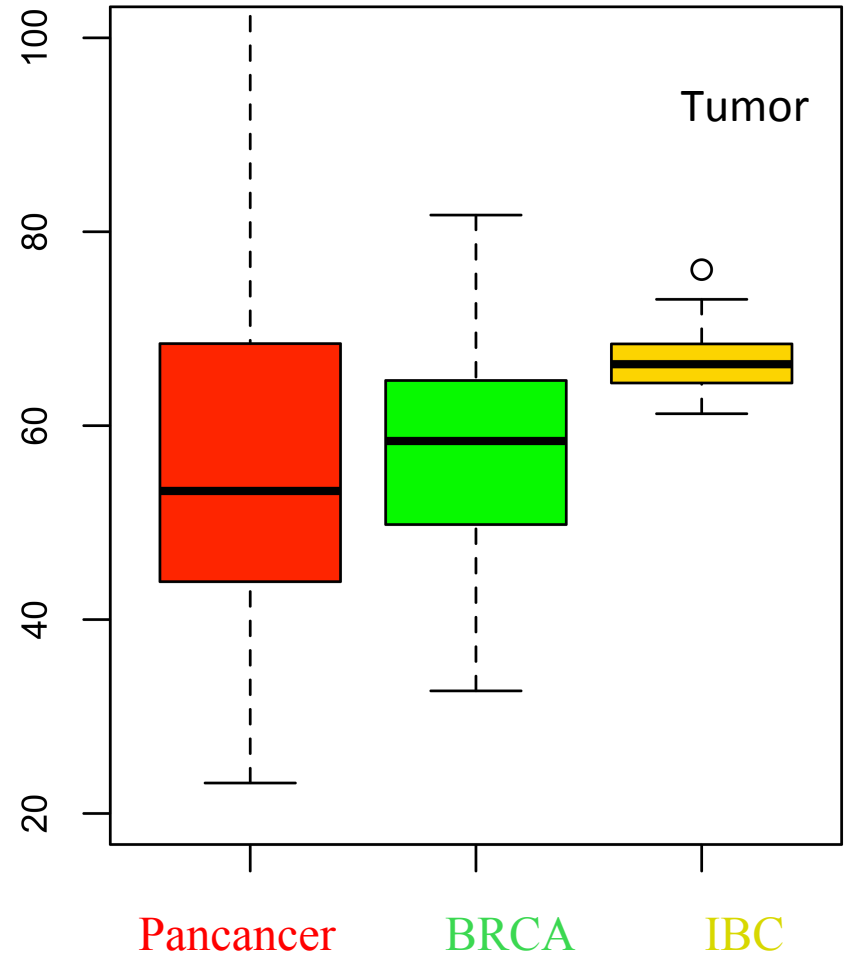
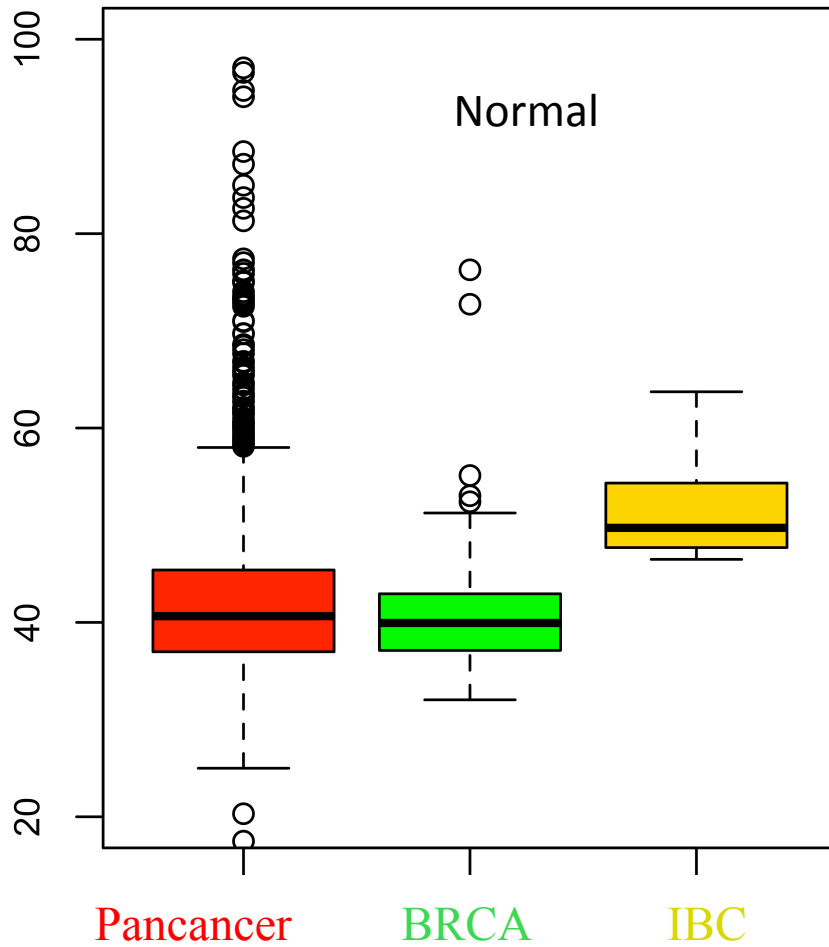


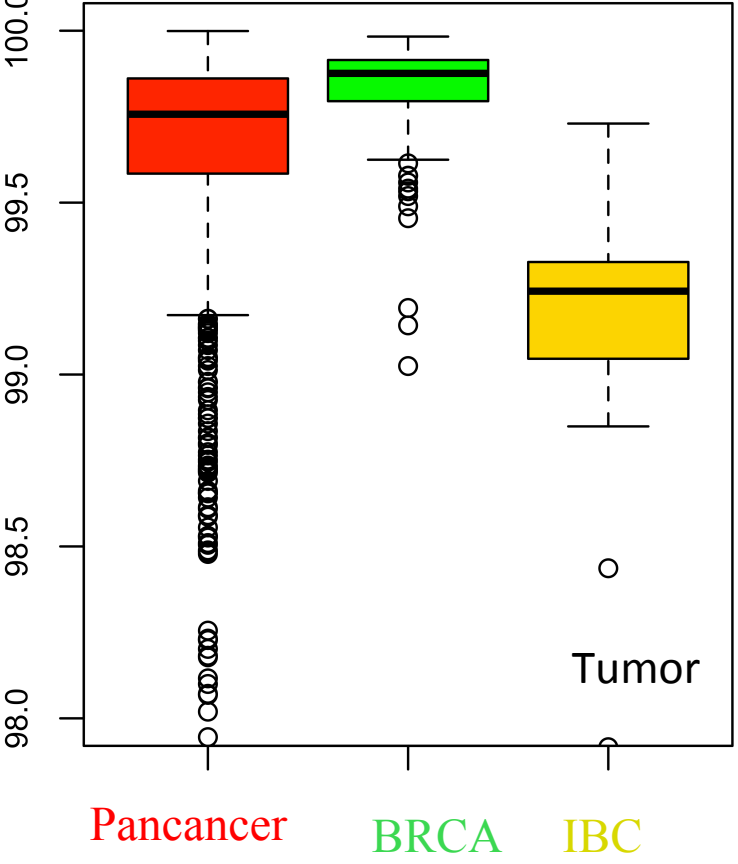
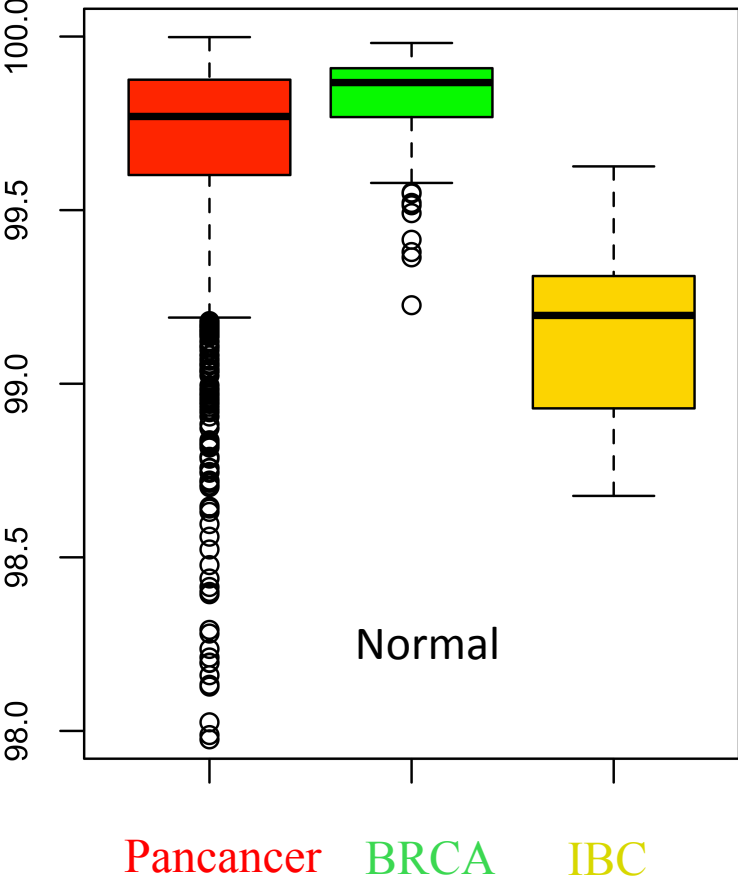
IBC Project

QC Analysis update

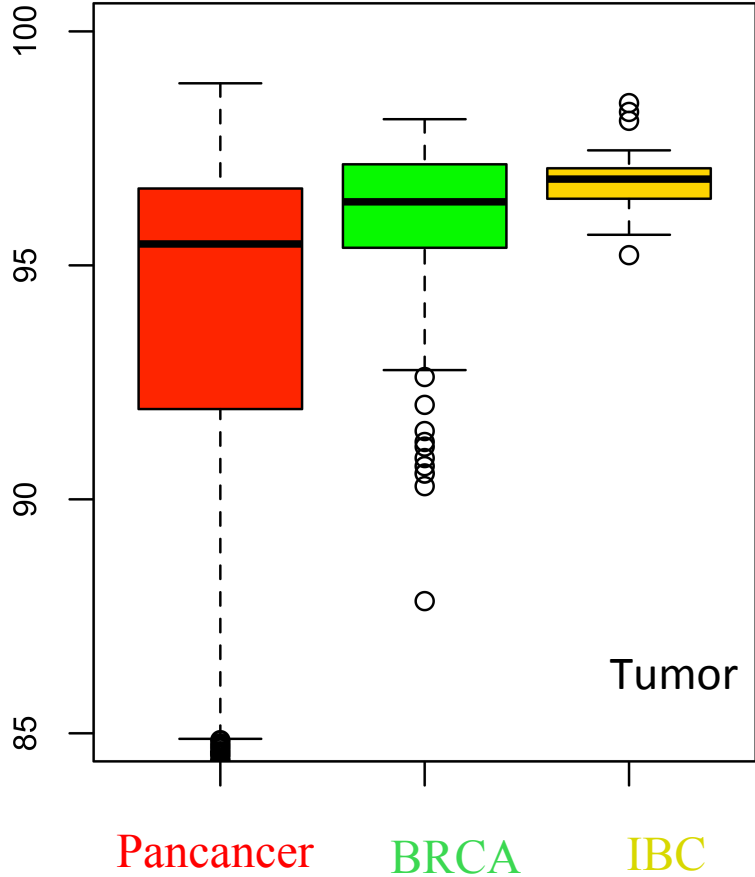
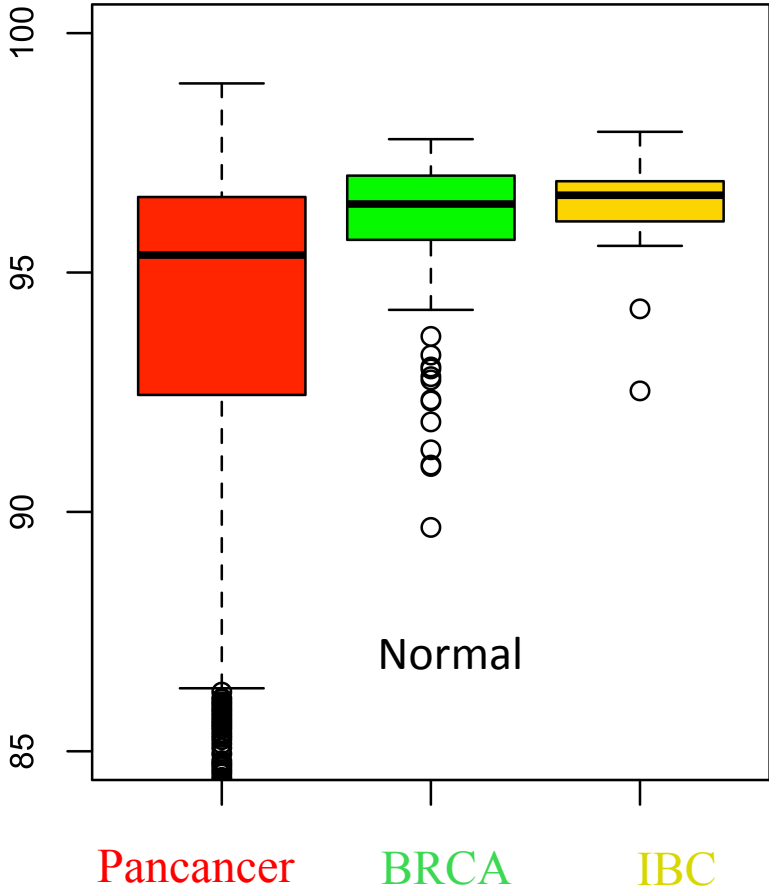
Coverage distribution comparison



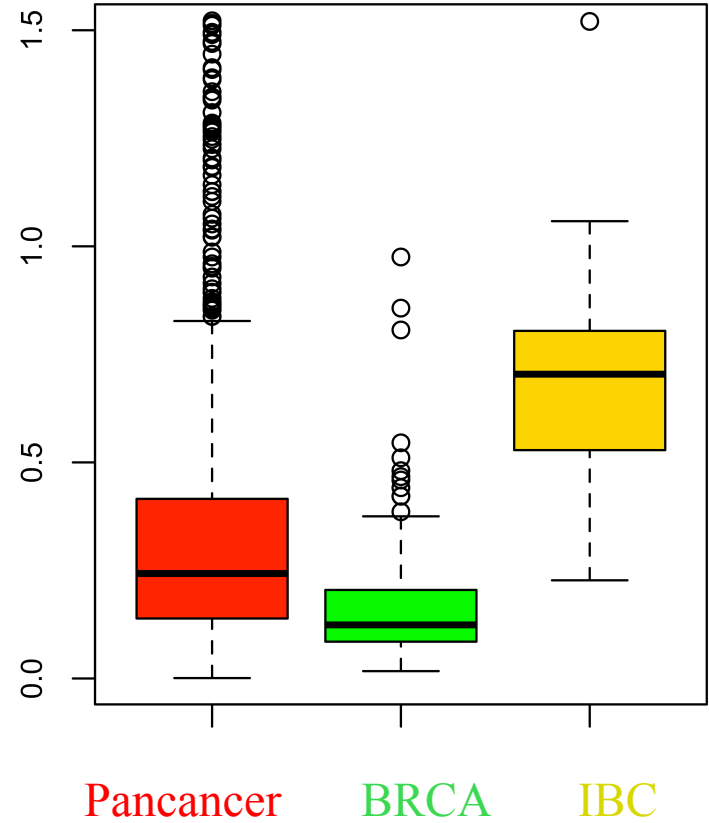
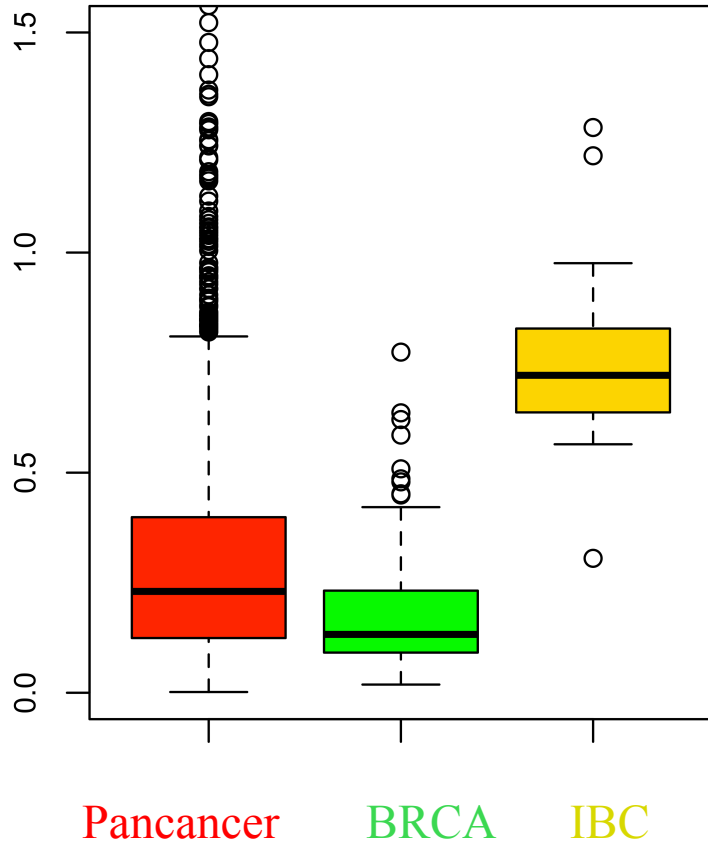
% Mapped Reads distribution comparison



% Properly Mapped Reads distribution comparison



% unmapped Reads distribution comparison



Somatic SNP count in IBC Samples

SampleId	Novel	DBSNP	SampleId	Novel	DBSNP
IBC-172	8596	650	IBC-111	1109	338
IBC-150	3442	430	IBC-101	3477	417
IBC-220	7081	612	IBC-208	7770	624
IBC-232	4693	510	IBC-193	3011	1744
IBC-312	24819	338	IBC-328	3805	508
IBC-305	13571	791	IBC-311	8127	667
IBC-267	3872	427	IBC-266	1851	345
IBC-300	1262	339	IBC-235	8561	771
IBC-333	2532	403	IBC-343	2139	338

Somatic INDEL count in IBC Samples

SampleID	INDEL count	SampleID	INDEL count
IBC-172	270	IBC-111	52
IBC-150	79	IBC-101	214
IBC-220	314	IBC-208	1195
IBC-232	448	IBC-193	90
IBC-312	181	IBC-328	140
IBC-315	406	IBC-311	276
IBC-267	43	IBC-266	90
IBC-300	50	IBC-235	233
IBC-333	181	IBC-343	136

Ongoing Work

- Funseq run and signature analysis using somatic calls
- Germline mutation calling using GATK
- Germline CNV calling using CNVnator
 - Somatic CNV calling
- Germline/Somatic SVs using CREST