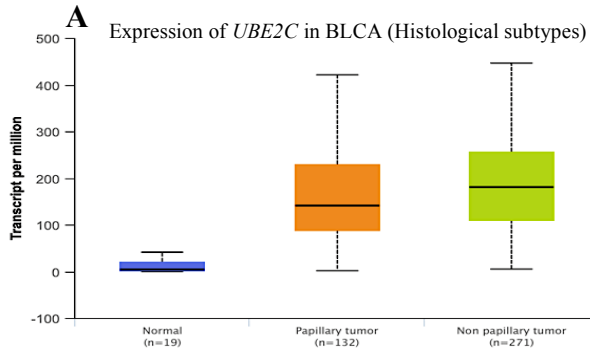
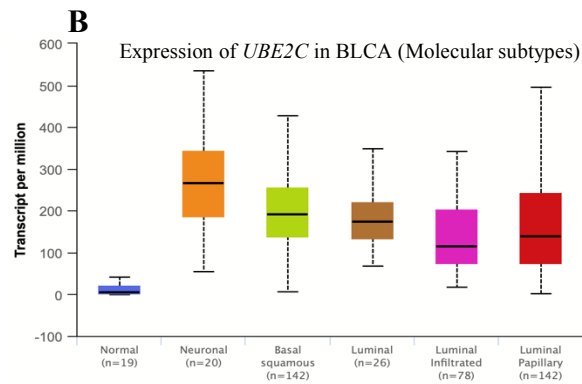


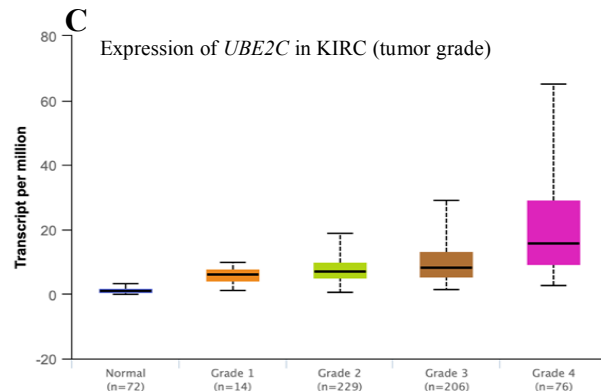
Panel 1. *UBE2C* expression in urologic tumours.



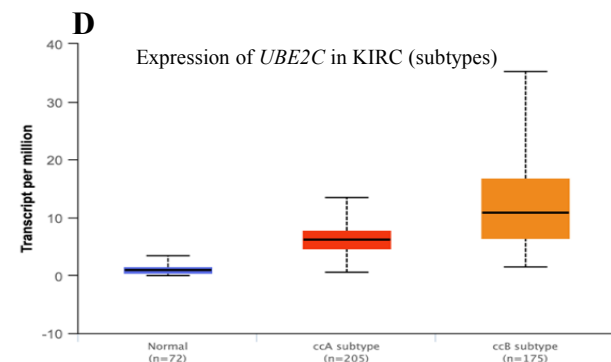
Comparison	p-value
Normal-vs-Papillary tumors	$<10^{-12}$
Normal-vs-NonPapillary tumors	$<10^{-12}$
Papillary tumors-vs-NonPapillary tumors	0.014



Comparison	p-value
Normal-vs-Neuronal	$<10^{-8}$
Normal-vs-Basal squamous	$<10^{-12}$
Normal-vs-Luminal	$<10^{-10}$
Normal-vs-Luminal_Infiltrated	$<10^{-9}$
Normal-vs-Luminal_Papillary	$<10^{-12}$
Neuronal-vs-Basal squamous	0.02
Neuronal-vs-Luminal	0.03
Neuronal-vs-Luminal_Infiltrated	0.014
Neuronal-vs-Luminal_Papillary	$<10^{-3}$
Basal squamous-vs-Luminal	0.49
Basal squamous-vs-Luminal_Infiltrated	0.032
Basal squamous-vs-Luminal_Papillary	$<10^{-3}$
Luminal-vs-Luminal_Infiltrated	0.22
Luminal-vs-Luminal_Papillary	0.42
Luminal_Infiltrated-vs-Luminal_Papillary	0.61

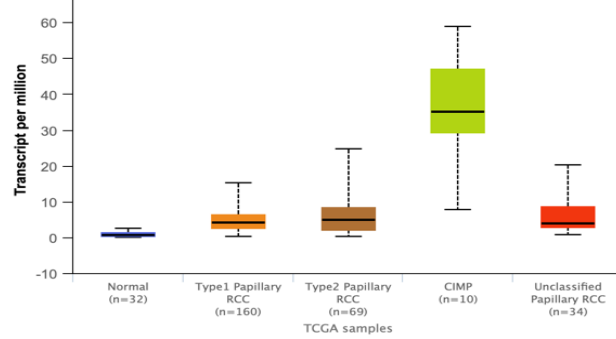


Comparison	p-value
Normal-vs-Grade 1	$<10^{-3}$
Normal-vs-Grade 2	$<10^{-11}$
Normal-vs-Grade 3	$<10^{-9}$
Normal-vs-Grade 4	$<10^{-6}$
Grade 1-vs-Grade 2	$<10^{-4}$
Grade 1-vs-Grade 3	$<10^{-6}$
Grade 1-vs-Grade 4	$<10^{-5}$
Grade 2-vs-Grade 3	$<10^{-3}$
Grade 2-vs-Grade 4	$<10^{-5}$
Grade 3-vs-Grade 4	$<10^{-3}$



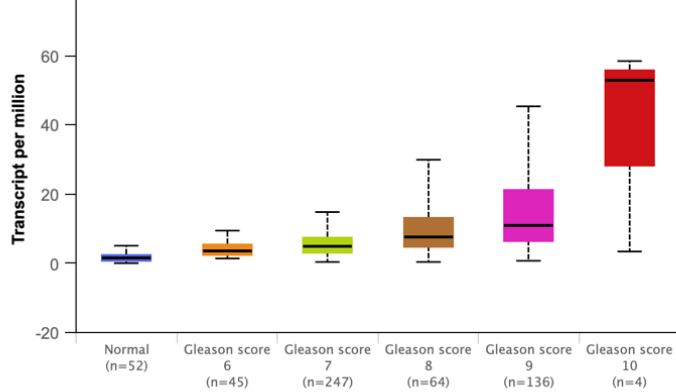
Comparison	p-value
Normal-vs-ccA subtype	10^{-8}
Normal-vs-ccB subtype	$<10^{-8}$
ccA subtype-vs-ccB subtype	$<10^{-5}$

E Expression of *UBE2C* in KIRP (histologic subtypes)



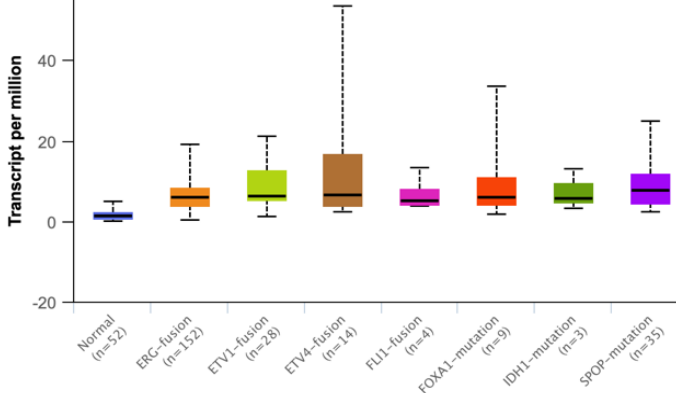
Comparison	p-value
Normal-VS-Type1 PRCC	$<10^{-12}$
Normal-VS-Type2 PRCC	$<10^{-7}$
Normal-VS-KIRP CIMP	$<10^{-3}$
Normal-VS-Unclassified PRCC	$<10^{-3}$
Type1 PRCC-VS-Type2 PRCC	$<10^{-3}$
Type1 PRCC-VS-KIRP CIMP	$<10^{-3}$
Type1 PRCC-VS-Unclassified PRCC	0.095
Type2 PRCC-VS-KIRP CIMP	0.015
Type2 PRCC-VS-Unclassified PRCC	0.89
KIRP CIMP-VS-Unclassified PRCC	0.015

F Expression of *UBE2C* in PRAD (patient's gleason score)

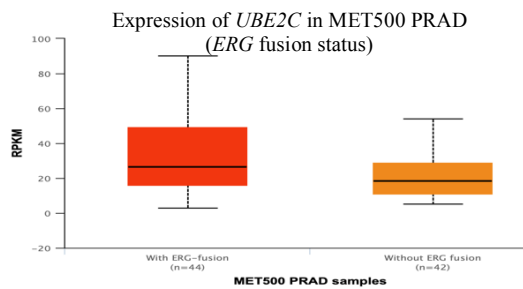
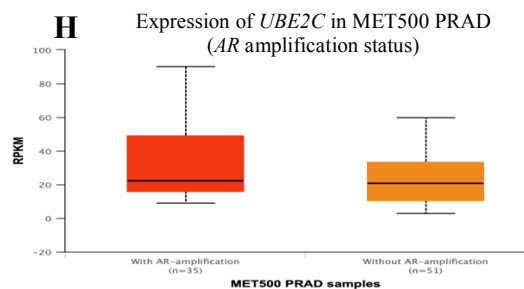


Comparison	p-value
Normal-vs-Gleason score 6	0.53
Normal-vs-Gleason score 7	$<10^{-3}$
Normal-vs-Gleason score 8	$<10^{-5}$
Normal-vs-Gleason score 9	$<10^{-4}$
Normal-vs-Gleason score 10	0.16
Gleason score 6-vs-Gleason score 7	$<10^{-5}$
Gleason score 6-vs-Gleason score 8	$<10^{-5}$
Gleason score 6-vs-Gleason score 9	$<10^{-4}$
Gleason score 6-vs-Gleason score 10	0.16
Gleason score 7-vs-Gleason score 8	$<10^{-3}$
Gleason score 7-vs-Gleason score 9	$<10^{-3}$
Gleason score 7-vs-Gleason score 10	0.17
Gleason score 8-vs-Gleason score 9	0.058
Gleason score 8-vs-Gleason score 10	0.2
Gleason score 9-vs-Gleason score 10	0.1

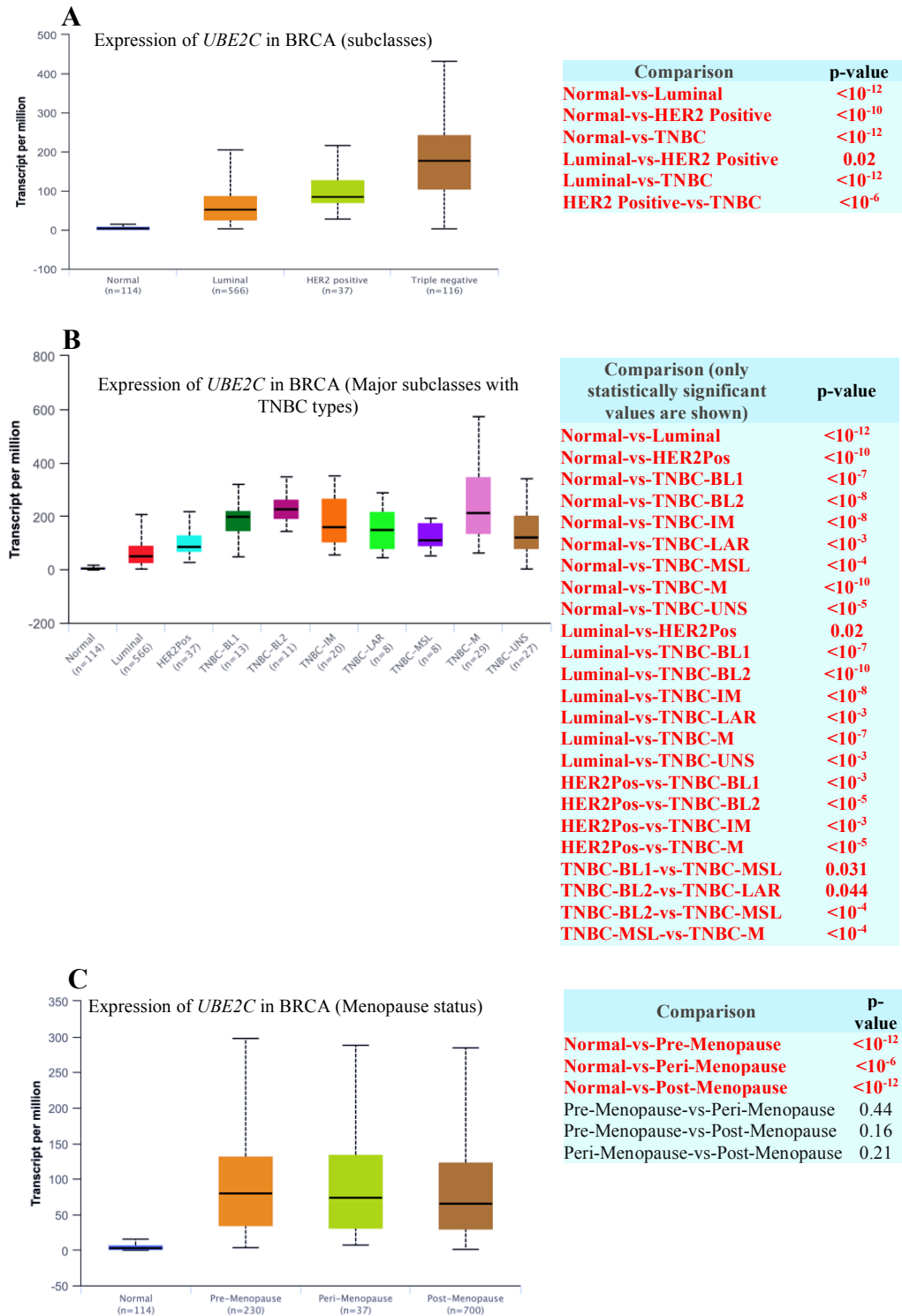
G Expression of *UBE2C* in PRAD (molecular signature)

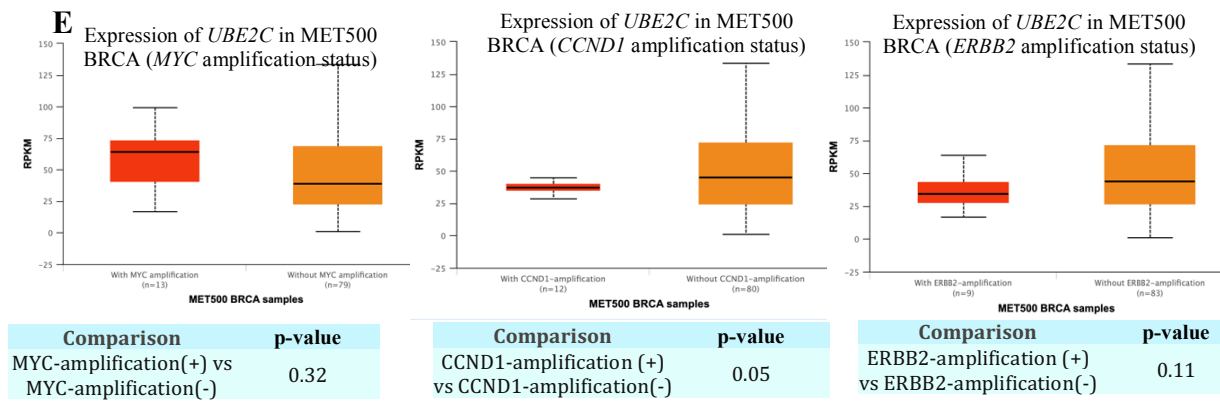
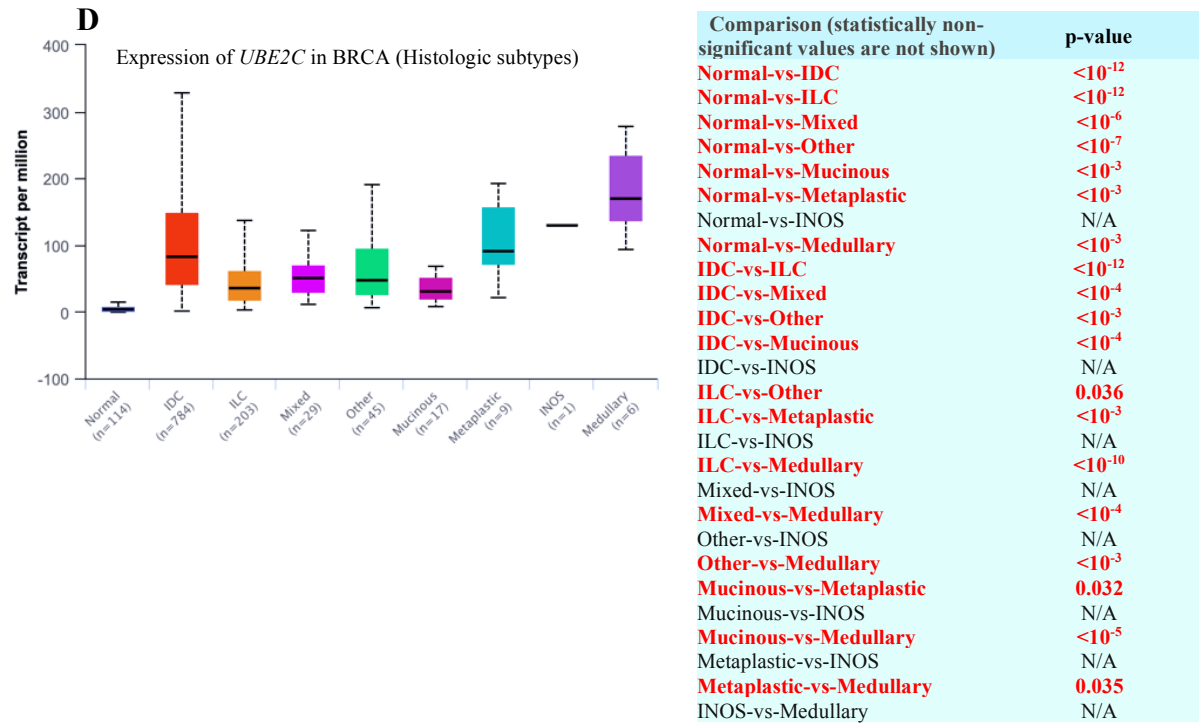


Comparison	p-value
Normal-vs-ERG fusion	$<10^{-5}$
Normal-vs-ETV1 fusion	$<10^{-3}$
Normal-vs-ETV4 fusion	0.11
Normal-vs-FLI1 fusion	0.4
Normal-vs-FOXA1 mutation	0.08
Normal-vs-IDH1 mutation	0.4
Normal-vs-SPOP mutation	$<10^{-5}$
ERG fusion-vs-ETV1 fusion	0.62
ERG fusion-vs-ETV4 fusion	0.21
ERG fusion-vs-FLI1 fusion	0.62
ERG fusion-vs-FOXA1 mutation	0.34
ERG fusion-vs-IDH1 mutation	0.75
ERG fusion-vs-SPOP mutation	0.1
ETV1 fusion-vs-ETV4 fusion	0.23
ETV1 fusion-vs-FLI1 fusion	0.48
ETV1 fusion-vs-FOXA1 mutation	0.44
ETV1 fusion-vs-IDH1 mutation	0.61
ETV1 fusion-vs-SPOP mutation	0.44
ETV4 fusion-vs-FLI1 fusion	0.17
ETV4 fusion-vs-FOXA1 mutation	0.39
ETV4 fusion-vs-IDH1 mutation	0.18
ETV4 fusion-vs-SPOP mutation	0.28
FLI1 fusion-vs-FOXA1 mutation	0.39
FLI1 fusion-vs-IDH1 mutation	0.89
FLI1 fusion-vs-SPOP mutation	0.37
FOXA1 mutation-vs-IDH1 mutation	0.49
FOXA1 mutation-vs-SPOP mutation	0.54
IDH1 mutation-vs-SPOP mutation	0.49

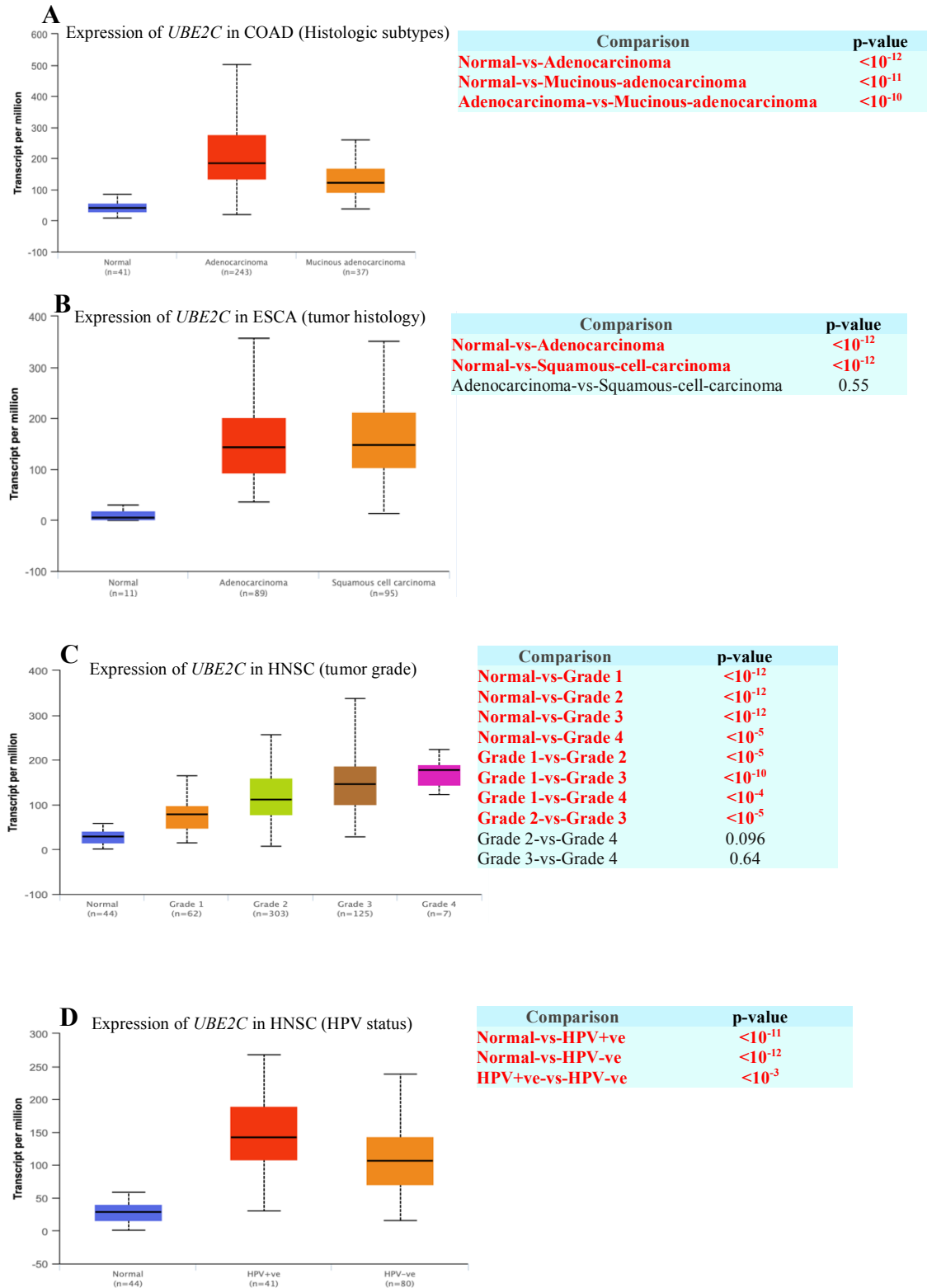


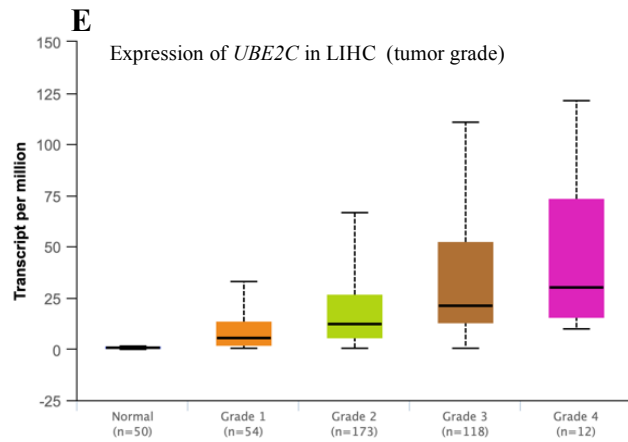
Panel 2. *UBE2C* expression in BRCA and metastatic BRCA



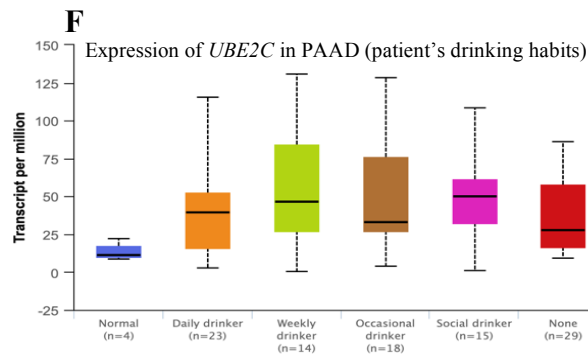


Panel 3. *UBE2C* expression in digestive system tumours

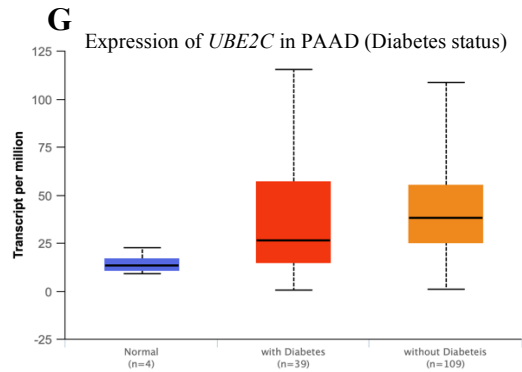




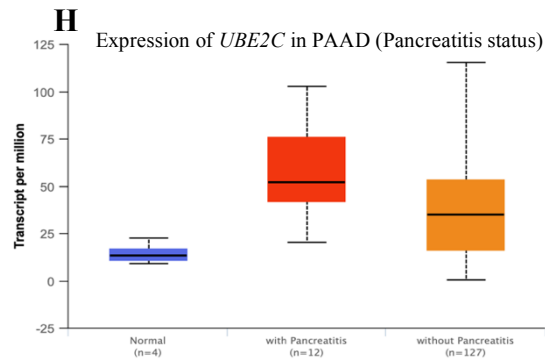
Comparison	p-value
Normal-vs-Grade 1	$<10^{-5}$
Normal-vs-Grade 2	$<10^{-12}$
Normal-vs-Grade 3	$<10^{-12}$
Normal-vs-Grade 4	$<10^{-3}$
Grade 1-vs-Grade 2	0.13
Grade 1-vs-Grade 3	$<10^{-4}$
Grade 1-vs-Grade 4	0.02
Grade 2-vs-Grade 3	$<10^{-3}$
Grade 2-vs-Grade 4	0.16
Grade 3-vs-Grade 4	0.96



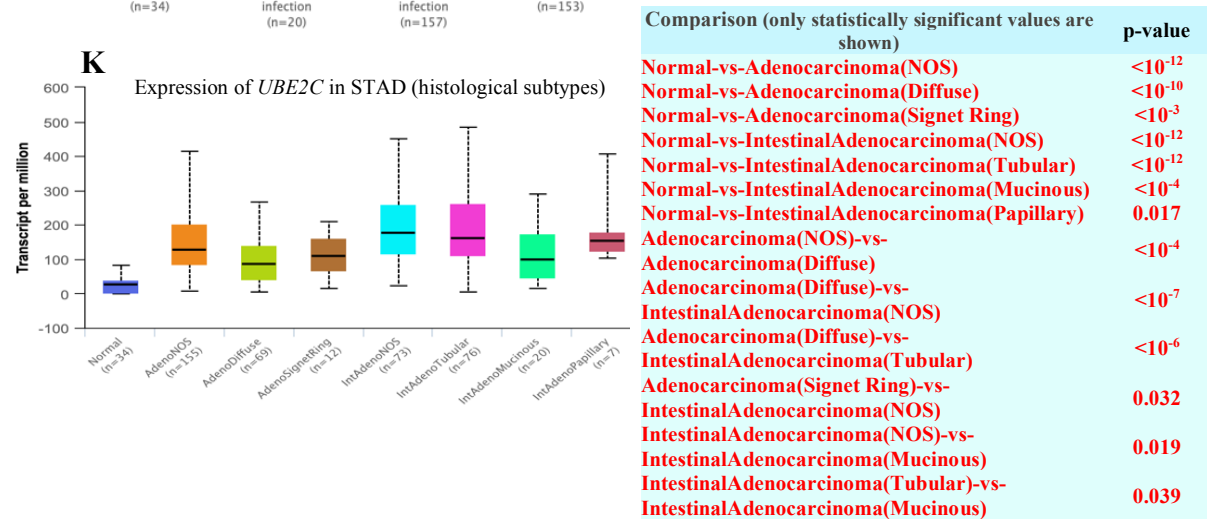
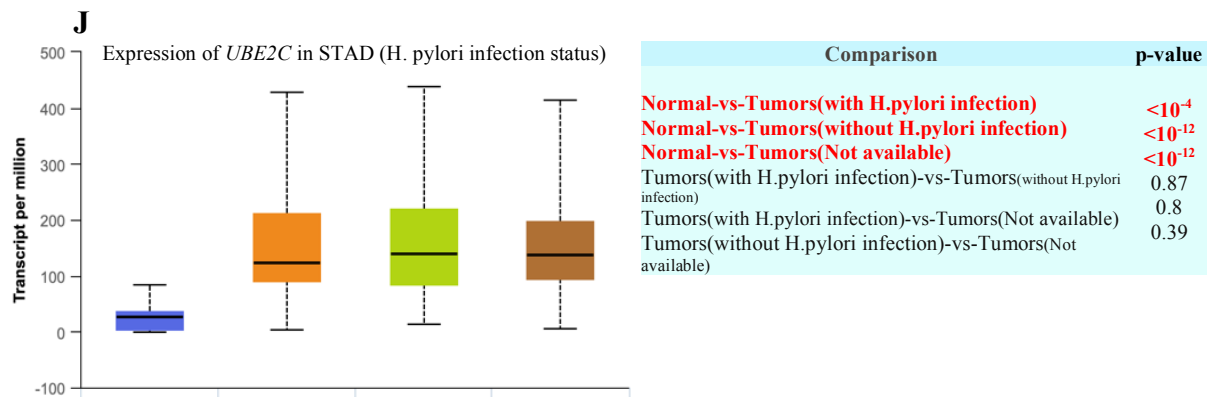
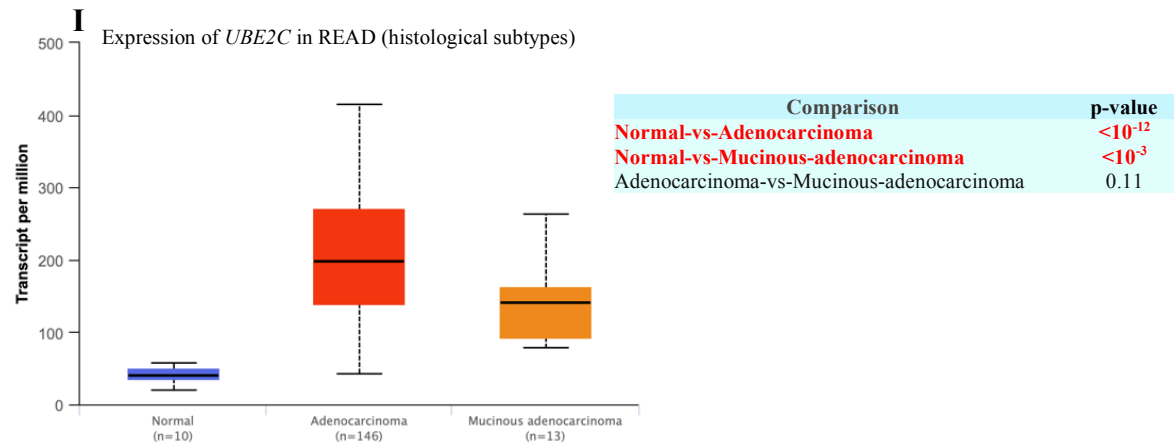
Comparison (only statistically significant values are shown)	p-value
Normal-vs-Weekly Drinker	0.025
Normal-vs-Occasional Drinker	$<10^{-3}$



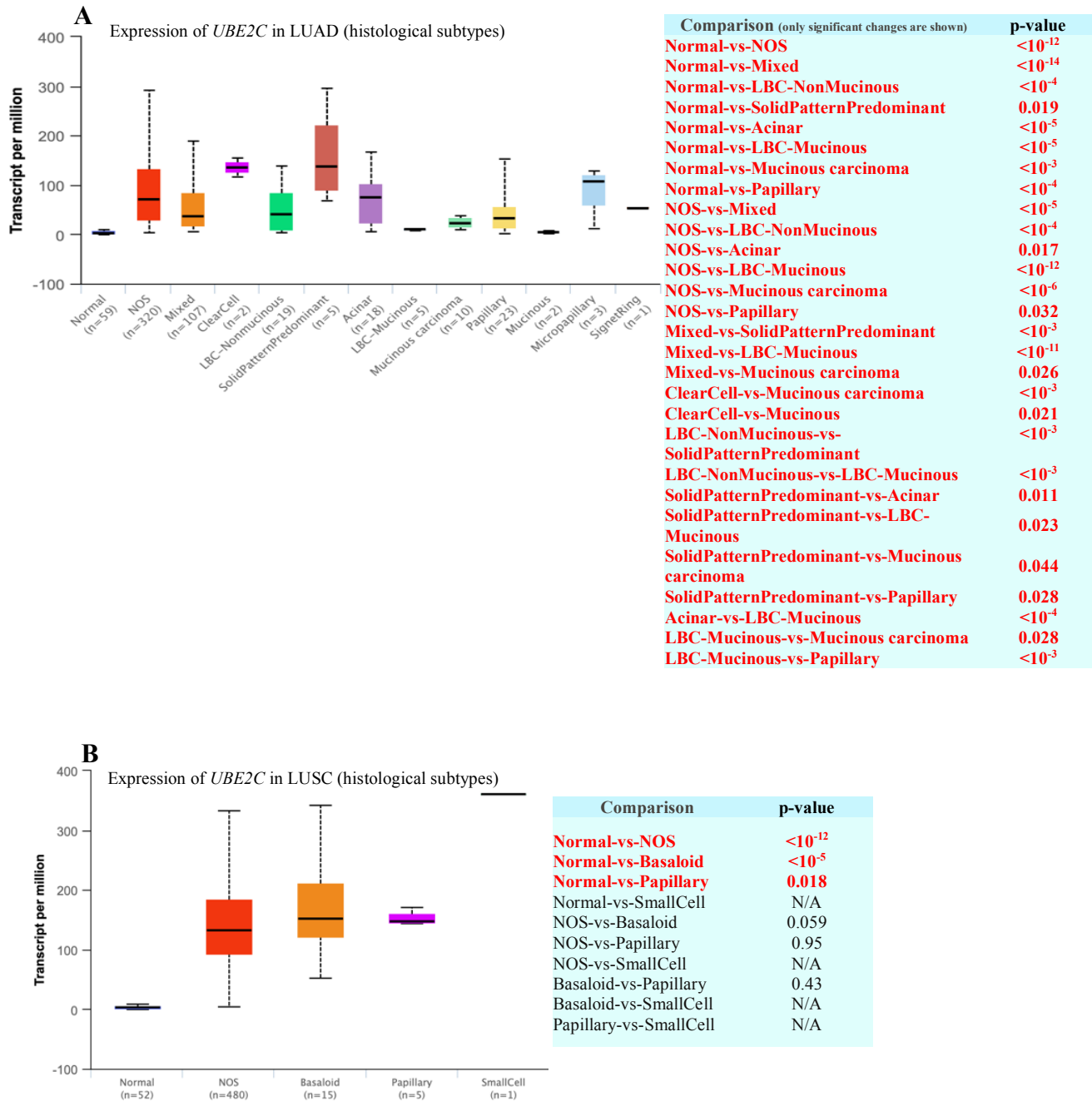
Comparison	p-value
Normal-vs-Diabetic	$<10^{-4}$
Normal-vs-NonDiabetic	$<10^{-7}$
Diabetic-vs-NonDiabetic	0.37



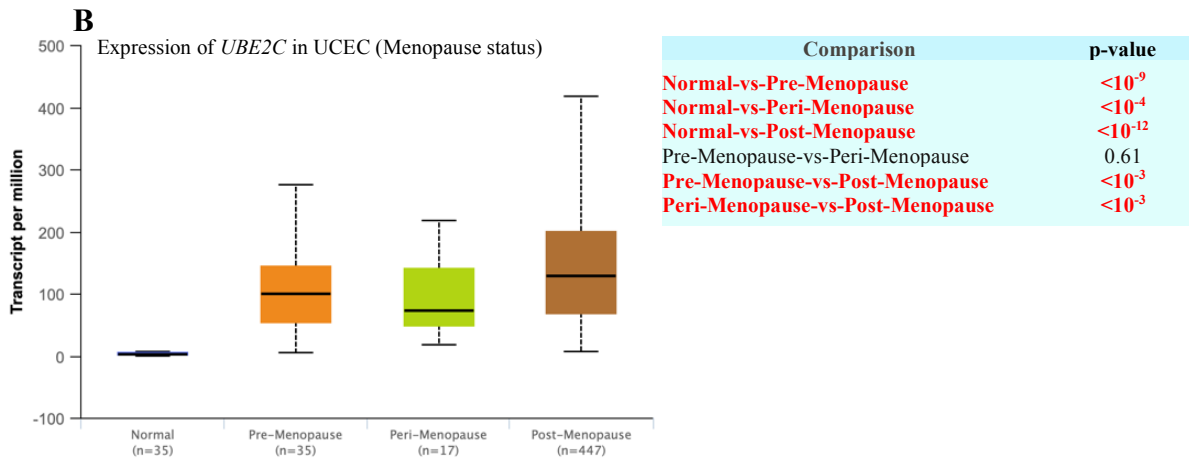
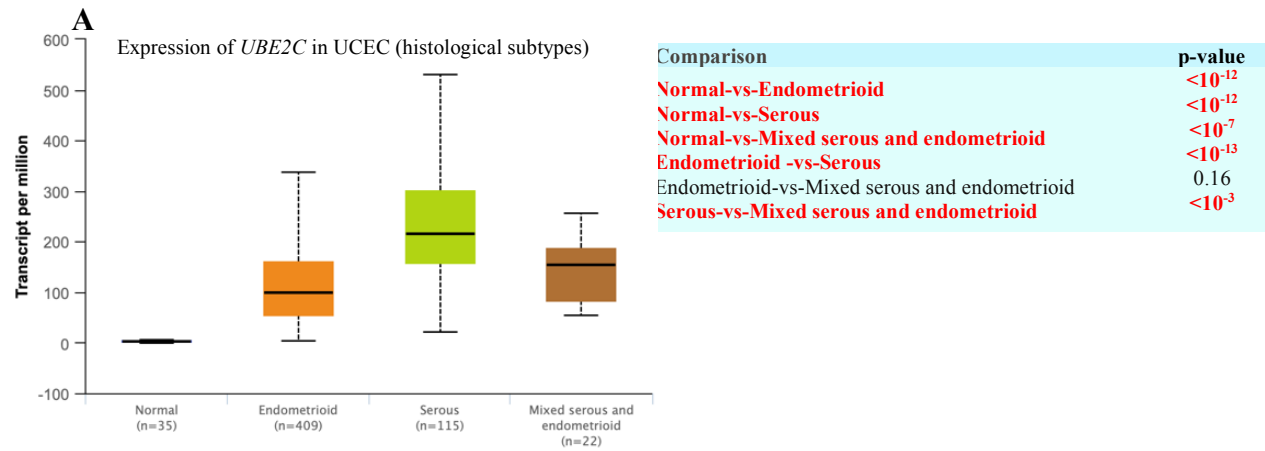
Comparison	p-value
Normal-vs-Pancreatitis	$<10^{-4}$
Normal-vs-NoPancreatitis	$<10^{-7}$
Pancreatitis-vs-NoPancreatitis	0.24



Panel 4. *UBE2C* expression in lung tumours



Panel 5. *UBE2C* expression in UCEC



Panel 6. *UBE2C* expression based on smoking habits in BLCA, ESCA, LUAD, LUSC

