**Pancreatic cancer**

**RAD genes**:

“RAD54L” “RAD1” “RAD51AP2”

**T-Test Results**:

AUC mean in cells with RAD mutation = 391.5433

AUC mean in cells without RAD mutation = 423.9545

**P-value** = 0.613

**XRCC genes**:

N/A

**ATR genes**:

ATR present in only one cell (KP2). T-test not possible

**BRCA genes**:

BRCA1 BRCA2

**T-Test Results**:

AUC mean in cells with RAD mutation = 303.6200

AUC mean in cells without RAD mutation = 424.0765

**P-value** = 0.02918

**MUC genes**:

"MUC4" "MUC16" "MUC17" "MUC19" "MUC2" "MUC5B"

**T-Test Results**:

AUC mean in cells with RAD mutation = 442.4390

AUC mean in cells without RAD mutation = 423.7996

**P-value** = 0.6597

**Colorectal cancer**

**RAD genes**:

"RAD51AP2" "RAD1" "RAD9A" "RAD54B" "RAD18" "RAD54L2" "RAD52" "RAD21L1" "RAD51B" "RAD50"

**T-Test Results**:

AUC mean in cells with RAD mutation = 590.8806

AUC mean in cells without RAD mutation = 524.6751

**P-value** = 0.3506

**XRCC genes**:

"XRCC5" "XRCC6" "XRCC6BP1" "XRCC2"

**T-Test Results**:

AUC mean in cells with XRCC mutation = 567.1743

AUC mean in cells without XRCC mutation = 524.7064

**P-value** = 0.6498

**ATR genes:**

"ATR" "ATRIP"

**T-Test Results**:

AUC mean in cells with ATR mutation = 574.2120

AUC mean in cells without ATR mutation = 524.6895

**P-value** = 0.4698

**BRCA genes**:

BRCA1 BRCA2

**T-Test Results**:

AUC mean in cells with RAD mutation = 570.6740

AUC mean in cells without RAD mutation = 524.7003

**P-value** = 0.6476

**MUC genes**:

"MUC4" "MUC13" "MUC16" "MUC17" "MUC19" "MUC2" "MUC5B" "MUC5AC" "MUC22"

**T-Test Results**:

AUC mean in cells with RAD mutation = 500.4989

AUC mean in cells without RAD mutation = 524.7829

**P-value** = 0.3888