

| Vendor VTB- VISIT_POE- Left Index threshold=18 (far,tar)=(0.0114652,0.915667) | | | | | |
|--|--------------|-------------|------------|-----------|------------|
| Quality | 1(excellent) | 2(veryGood) | 3(good) | 4(fair) | 5(poor) |
| FAR | 0.0191112 | 0.0168452 | 0.00870038 | 0.0040132 | 0.00282696 |
| TAR | 0.990958 | 0.979741 | 0.90459 | 0.622517 | 0.39726 |

(FAR,TAR)at fixed threshold - Vendor VTB - VISIT_POE - LeftIndex

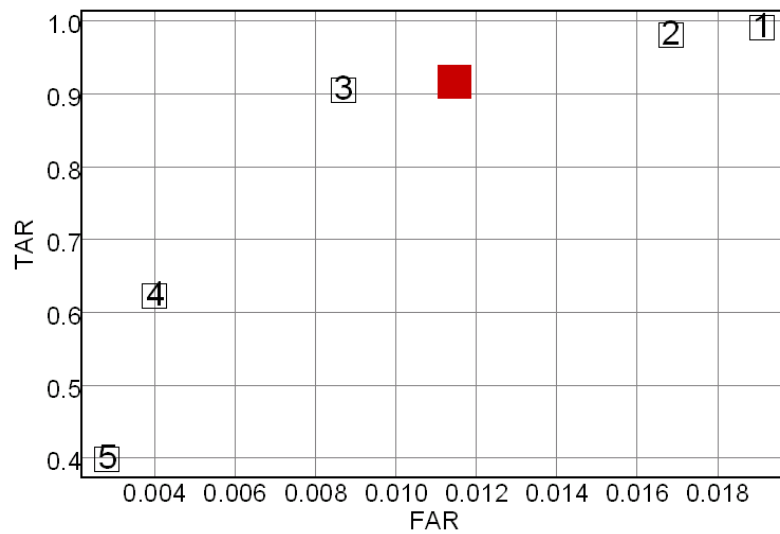
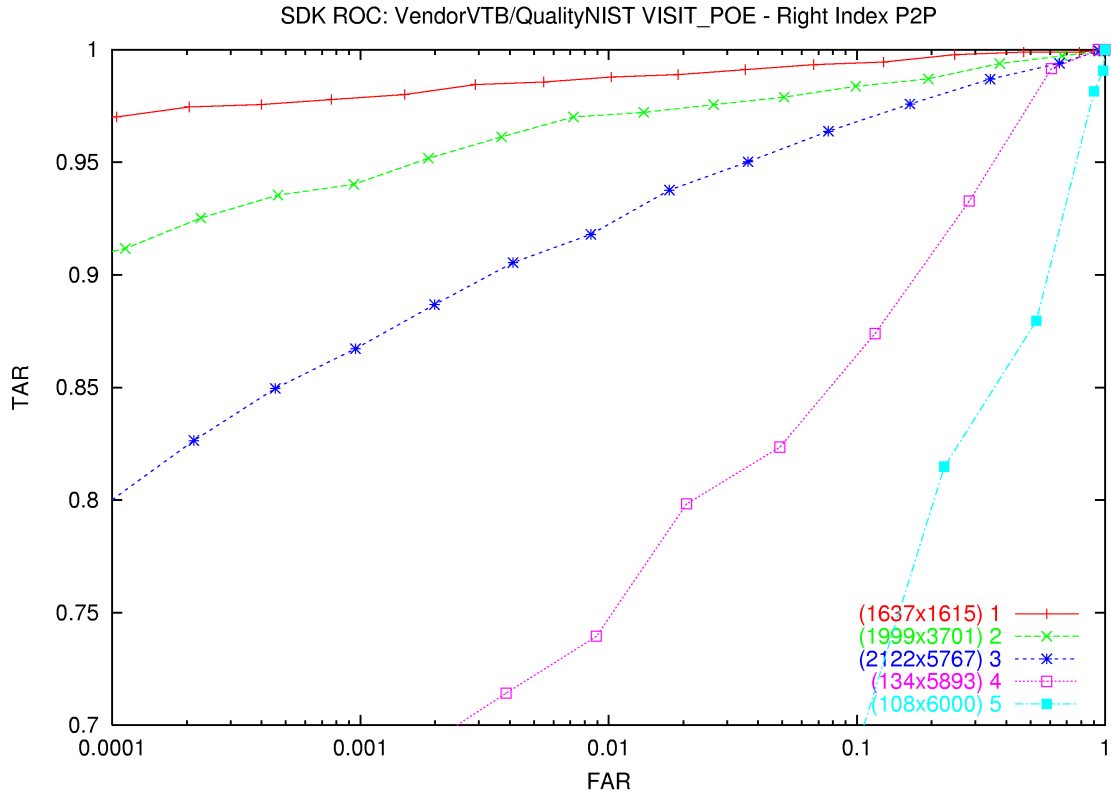


Figure 1. The effect of quality on ROC - Vendor VTB - Dataset VISIT_POE - Left Index



| Vendor VTB- VISIT_POE- Right Index threshold=18 (far,tar)=(0.0107344,0.929833) | | | | | |
|---|--------------|-------------|------------|------------|------------|
| Quality | 1(excellent) | 2(veryGood) | 3(good) | 4(fair) | 5(poor) |
| FAR | 0.0190427 | 0.0138374 | 0.00848361 | 0.00386299 | 0.00201268 |
| TAR | 0.988938 | 0.972147 | 0.918008 | 0.714286 | 0.435185 |

(FAR,TAR)at fixed threshold - Vendor VTB - VISIT_POE - Right Index

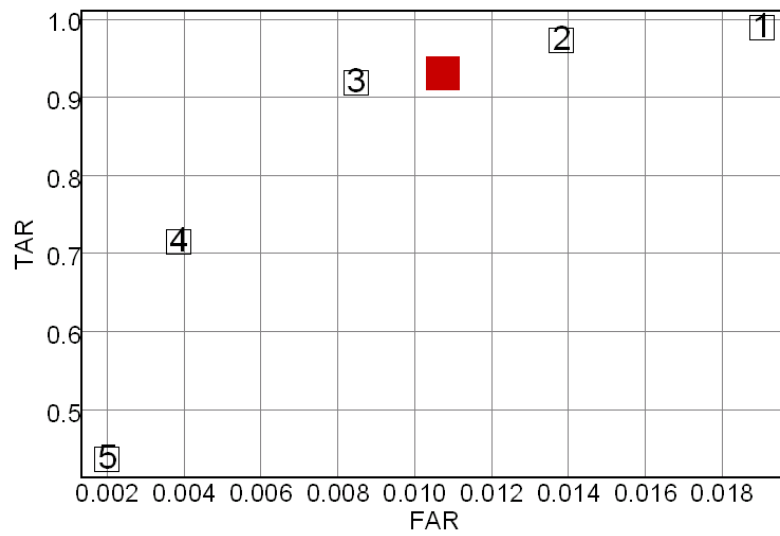
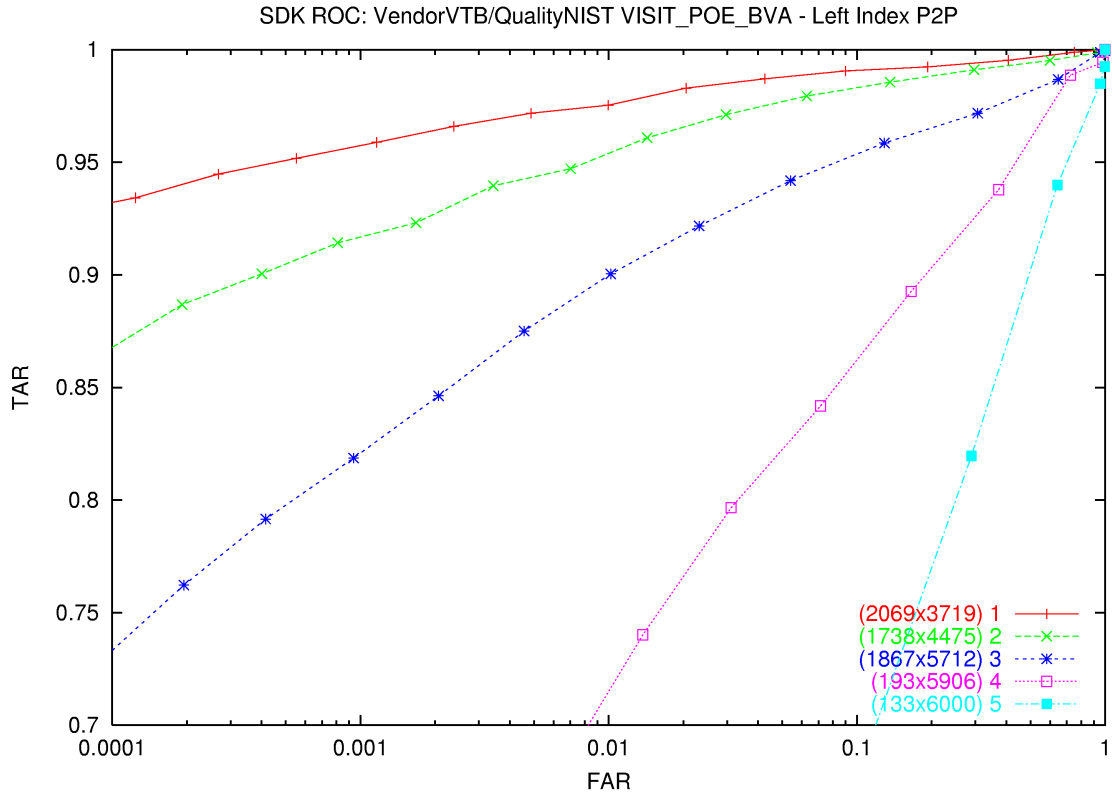


Figure 2. The effect of quality on ROC - Vendor VTB - Dataset VISIT_POE - Right Index



| Vendor VTB-VIST_POE_BVA - Left Index threshold=16 (far,tar)=(0.0137412,0.912333) | | | | | |
|---|--------------|-------------|-----------|-----------|------------|
| Quality | 1(excellent) | 2(veryGood) | 3(good) | 4(fair) | 5(poor) |
| FAR | 0.0204947 | 0.0142892 | 0.0101988 | 0.0137275 | 0.00648228 |
| TAR | 0.982961 | 0.960878 | 0.900403 | 0.740113 | 0.443609 |

(FAR,TAR)at fixed threshold - Vendor VTB - VISIT_POE - LeftIndex

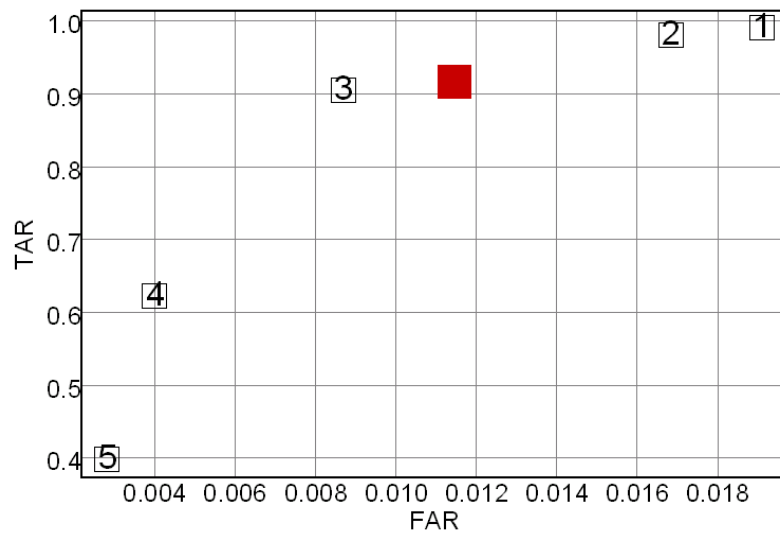
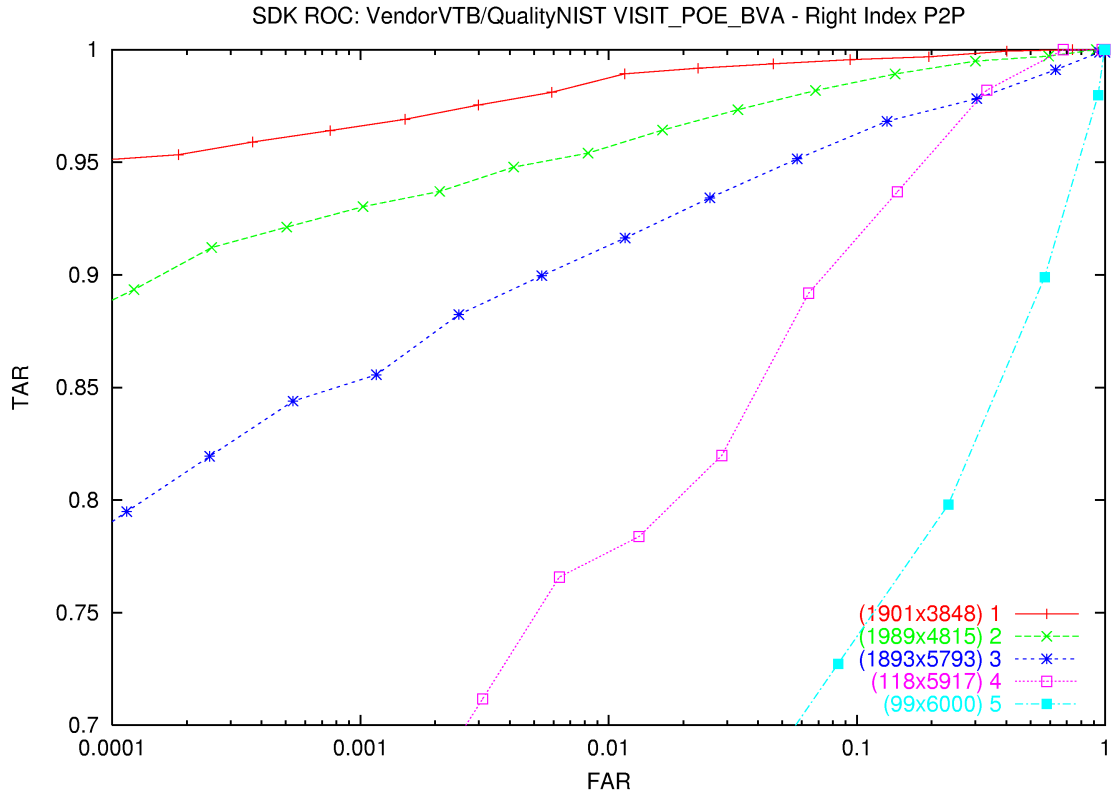


Figure 3. The effect of quality on ROC - Vendor VTB - Dataset VISIT_POE_BVA - Left Index



| Vendor VTB- VISIT_POE_BVA-Right Index threshold=16 (far,tar)=(0.0155685,0.936167) | | | | | |
|--|--------------|-------------|-----------|-----------|------------|
| Quality | 1(excellent) | 2(veryGood) | 3(good) | 4(fair) | 5(poor) |
| FAR | 0.0229279 | 0.0164807 | 0.0116442 | 0.0132532 | 0.00430711 |
| TAR | 0.991803 | 0.964286 | 0.916388 | 0.783784 | 0.555556 |

(FAR,TAR)at fixed threshold - Vendor VTB - VISIT_POE_BVA - Right Inde

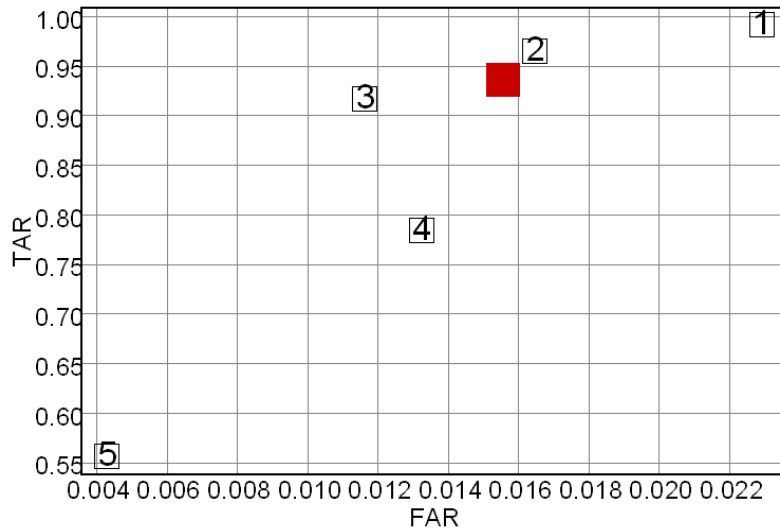
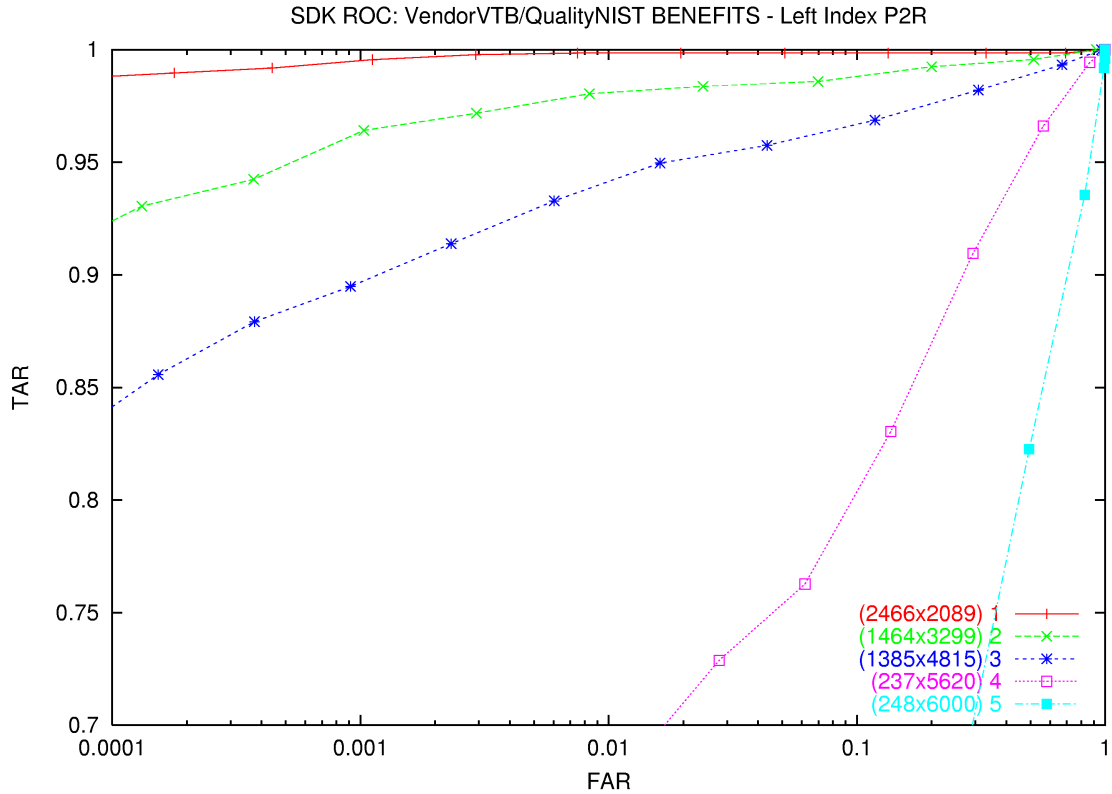


Figure 4. The effect of quality on ROC - Vendor VTB - Dataset VISIT_POE_BVA - Right Index



| Vendor VTB- BEN- Left Index | | | | | |
|---|--------------|-------------|-----------|-----------|-----------|
| threshold=14 (far,tar)=(0.0184442,0.929333) | | | | | |
| Quality | 1(excellent) | 2(veryGood) | 3(good) | 4(fair) | 5(poor) |
| FAR | 0.0195223 | 0.00835422 | 0.0160906 | 0.0617625 | 0.0396242 |
| TAR | 0.998524 | 0.980456 | 0.949664 | 0.762712 | 0.395161 |

(FAR,TAR)at fixed threshold - Vendor VTB - BEN - Left Index

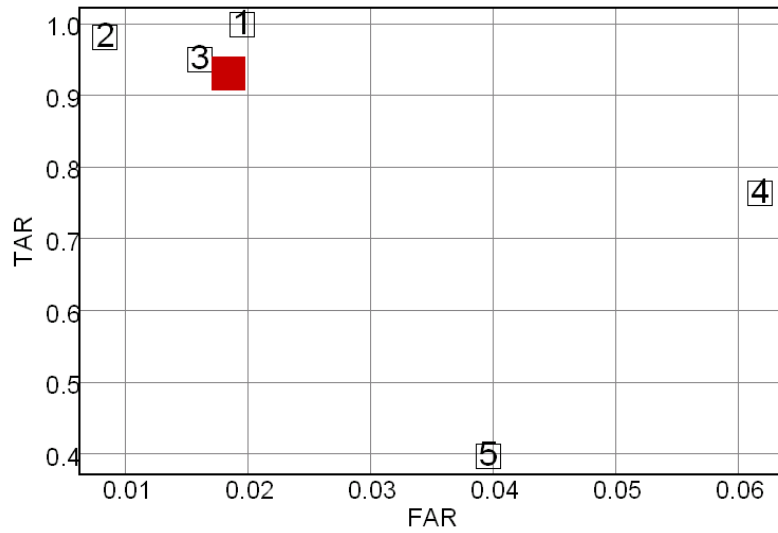
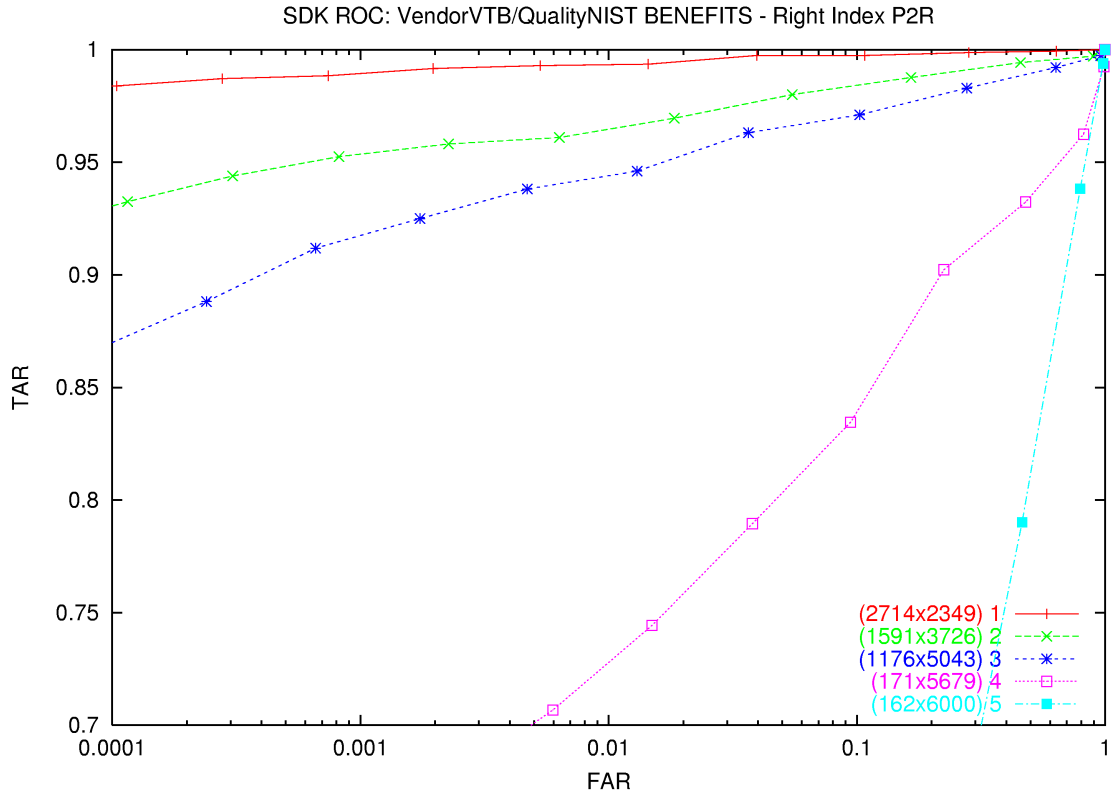


Figure 5. The effect of quality on ROC - Vendor VTB - Dataset BEN - Left Index



| Vendor VTB- BEN- Right Index | | | | | |
|---|--------------|-------------|-----------|-----------|-----------|
| threshold=14 (far,tar)=(0.0134477,0.945833) | | | | | |
| Quality | 1(excellent) | 2(veryGood) | 3(good) | 4(fair) | 5(poor) |
| FAR | 0.014423 | 0.00633574 | 0.0130154 | 0.0379185 | 0.0395169 |
| TAR | 0.993565 | 0.961027 | 0.946053 | 0.789474 | 0.438272 |

(FAR,TAR)at fixed threshold - Vendor VTB - BEN - Right Index

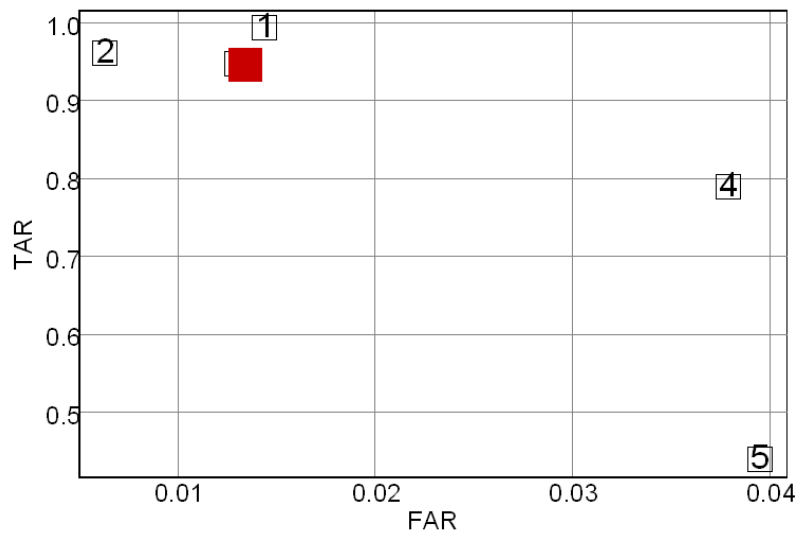
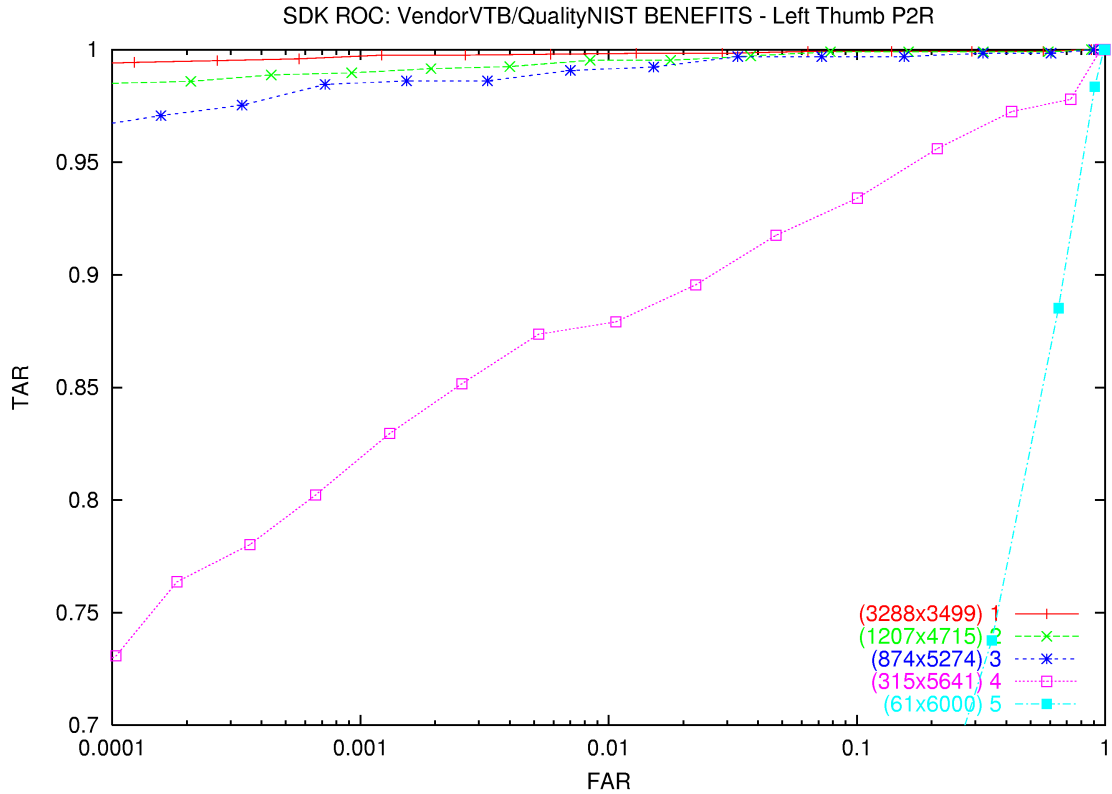


Figure 6. The effect of quality on ROC - Vendor VTB - Dataset BEN - Right Index



| Vendor VTB- BEN- Left Thumb | | | | | |
|--|--------------|-------------|-----------|-----------|-----------|
| threshold=18 (far,tar)=(0.0150392,0.975) | | | | | |
| Quality | 1(excellent) | 2(veryGood) | 3(good) | 4(fair) | 5(poor) |
| FAR | 0.0128936 | 0.0177635 | 0.0151778 | 0.0224001 | 0.0147265 |
| TAR | 0.998385 | 0.995318 | 0.992296 | 0.895604 | 0.442623 |

(FAR,TAR)at fixed threshold - Vendor VTB - BEN - Left Thumb

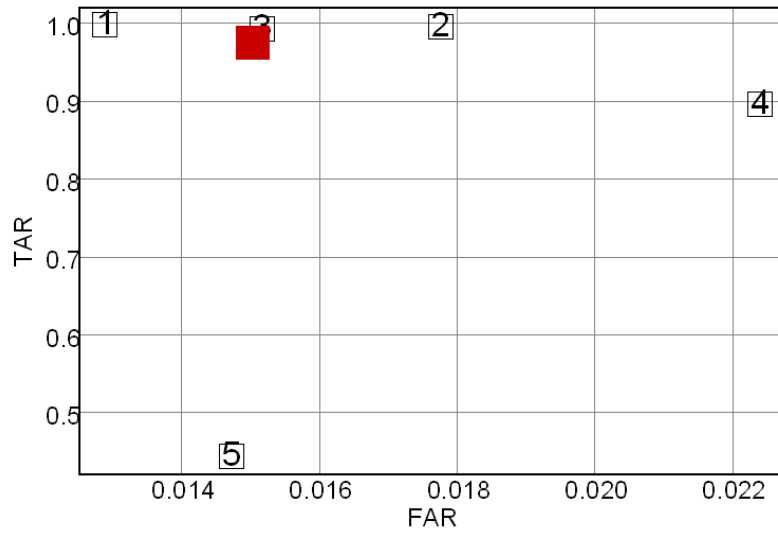
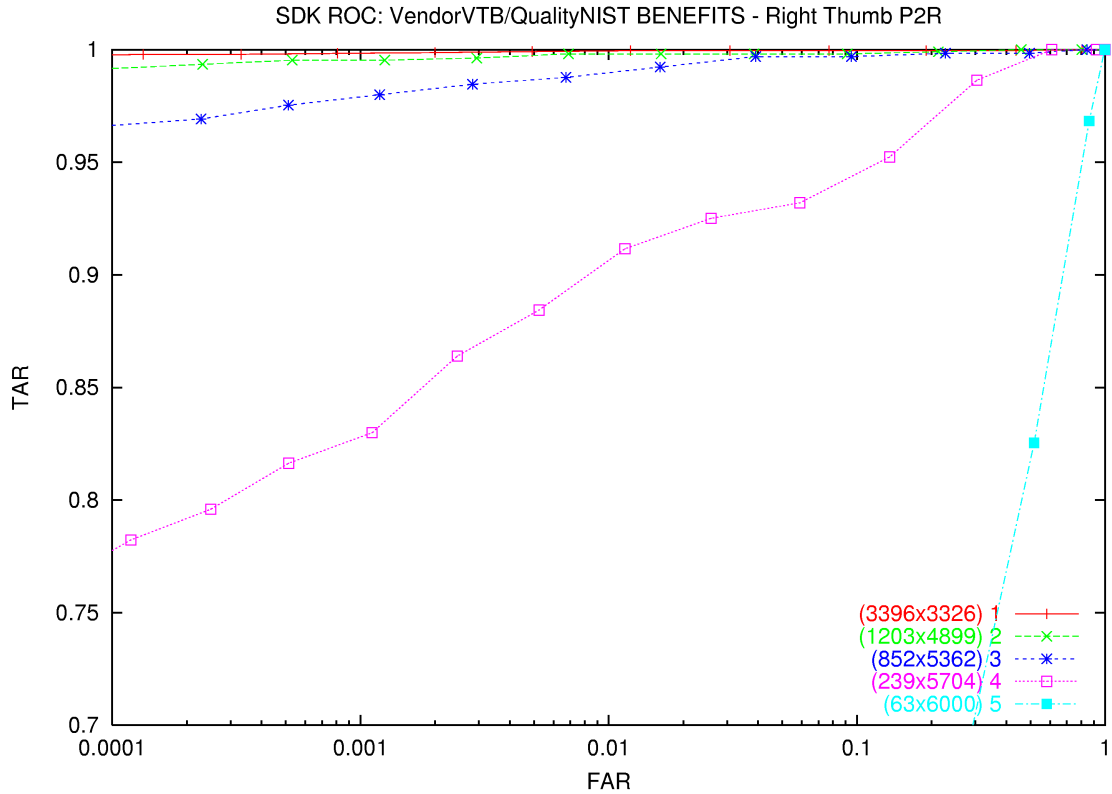


Figure 7. The effect of quality on ROC - Vendor VTB - Dataset BEN - Left Thumb



| Vendor VTB- BEN- Right Thumb | | | | | |
|--|--------------|-------------|-----------|-----------|-----------|
| threshold=16 (far,tar)=(0.0151668,0.983) | | | | | |
| Quality | 1(excellent) | 2(veryGood) | 3(good) | 4(fair) | 5(poor) |
| FAR | 0.0122213 | 0.0162616 | 0.0161184 | 0.0258783 | 0.0160291 |
| TAR | 0.999581 | 0.998145 | 0.992308 | 0.92517 | 0.444444 |

(FAR,TAR)at fixed threshold - Vendor VTB - BEN - Right Thumb

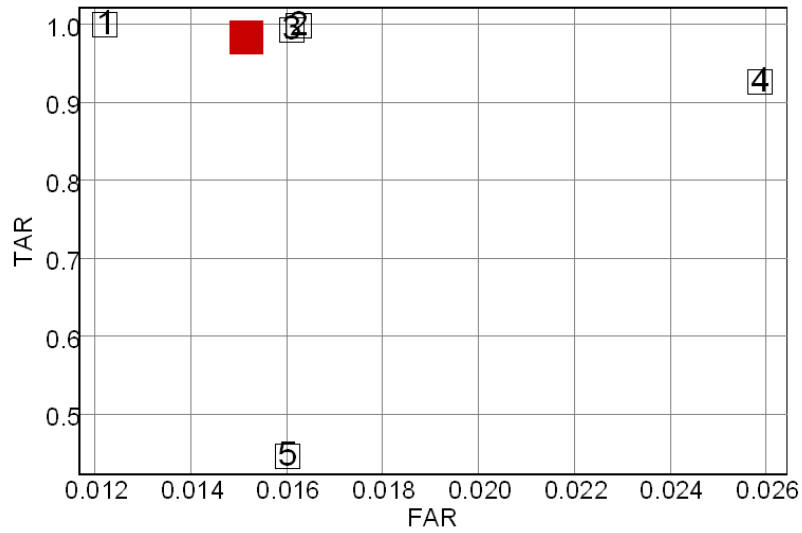
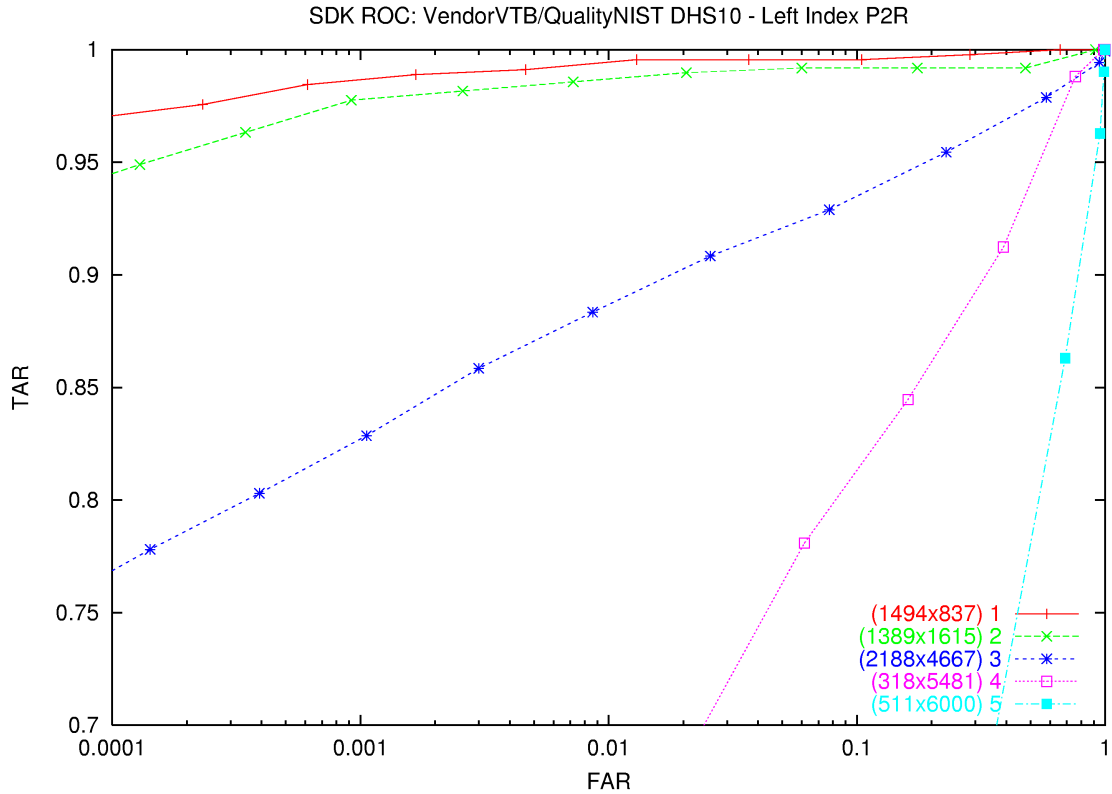


Figure 8. The effect of quality on ROC - Vendor VTB - Dataset BEN - Right Thumb



| Vendor VTB- DHS10- Left Index | | | | | |
|--|--------------|-------------|------------|-----------|-----------|
| threshold=14 (far,tar)=(0.00995627,0.840667) | | | | | |
| Quality | 1(excellent) | 2(veryGood) | 3(good) | 4(fair) | 5(poor) |
| FAR | 0.0129429 | 0.00719743 | 0.00861771 | 0.0234113 | 0.0166352 |
| TAR | 0.995575 | 0.985714 | 0.883416 | 0.697211 | 0.330724 |

(FAR,TAR)at fixed threshold - Vendor VTB - DHS10 - Left Index

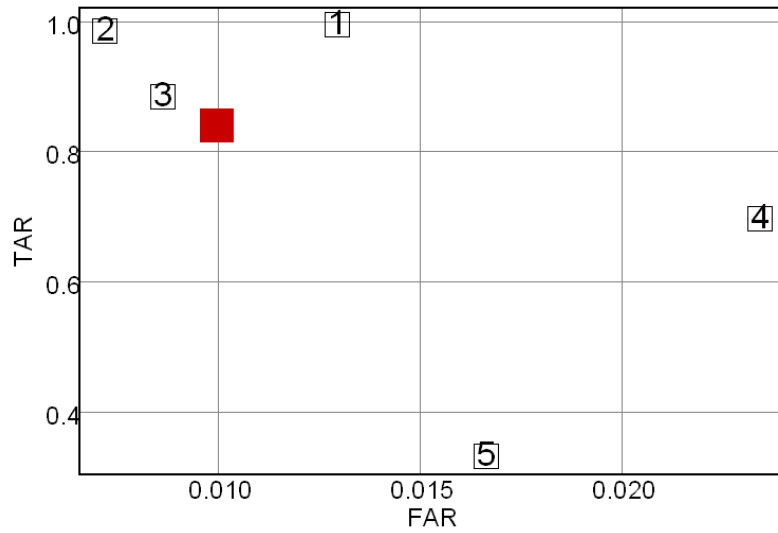
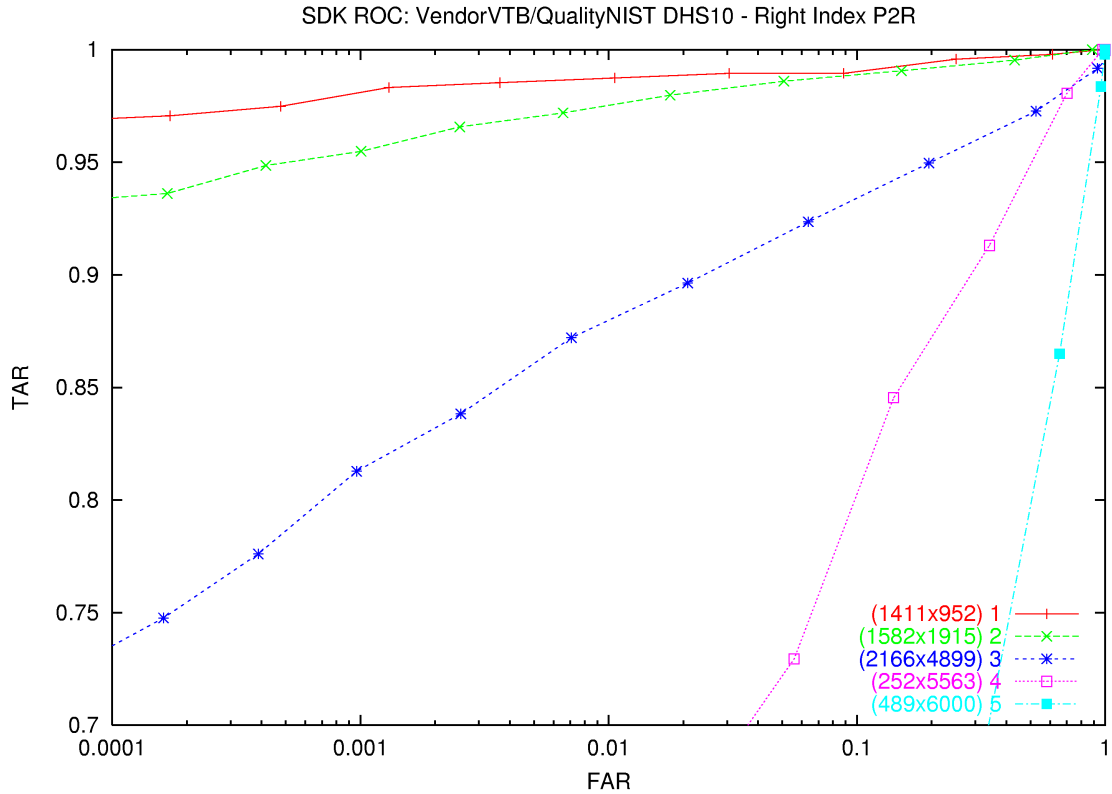


Figure 9. The effect of quality on ROC - Vendor VTB - Dataset DHS10- Left Index



| Vendor VTB- DHS10- Right Index | | | | | |
|---|--------------|-------------|-----------|-----------|-----------|
| threshold=12 (far,tar)=(0.0234657,0.865167) | | | | | |
| Quality | 1(excellent) | 2(veryGood) | 3(good) | 4(fair) | 5(poor) |
| FAR | 0.0305825 | 0.0176973 | 0.0208019 | 0.0558648 | 0.0357173 |
| TAR | 0.989518 | 0.979751 | 0.896327 | 0.729469 | 0.364008 |

(FAR,TAR)at fixed threshold - Vendor VTB - DHS10 - Right Index

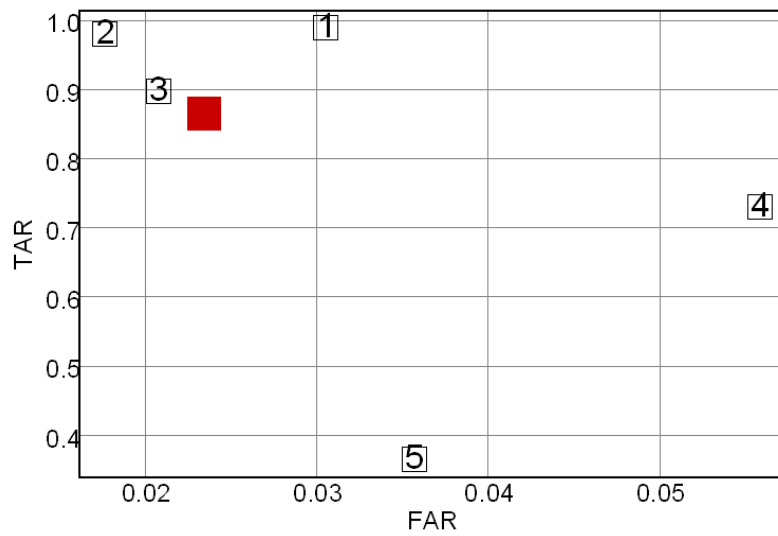
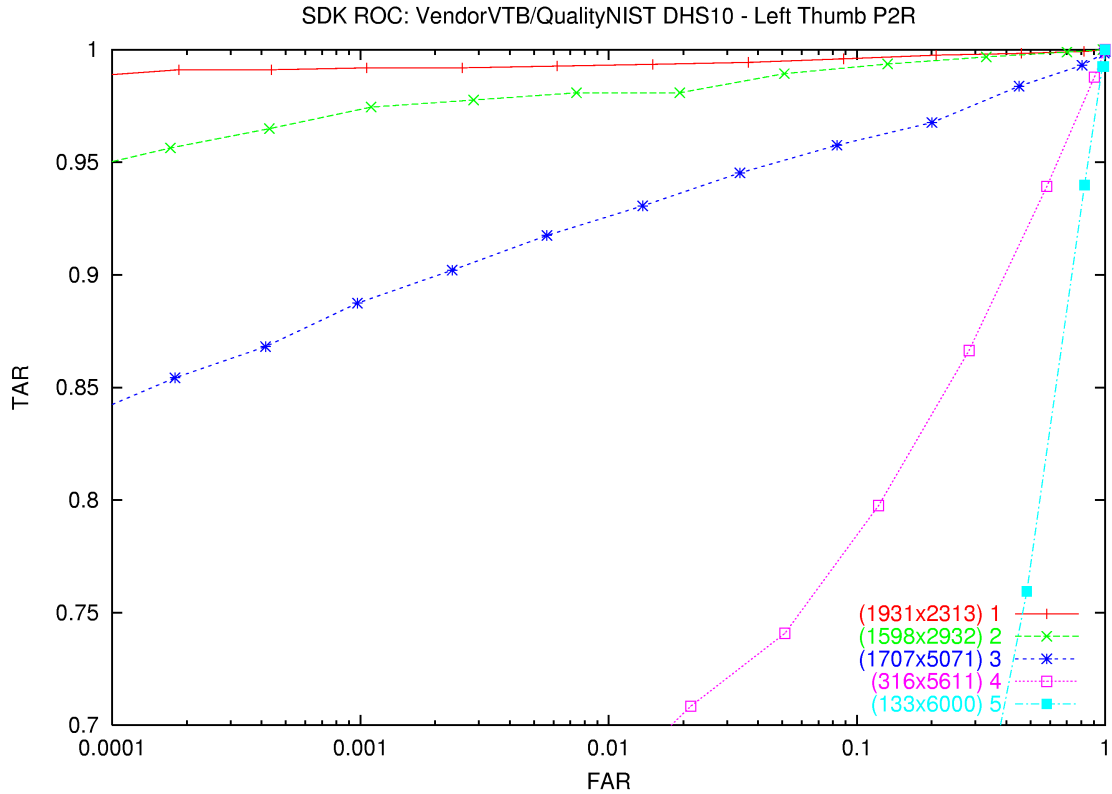


Figure 10. The effect of quality on ROC - Vendor VTB - Dataset DHS10 - Right Index



| Vendor VTB- DHS10- Left Thumb | | | | | |
|---|--------------|-------------|-----------|-----------|-----------|
| threshold=16 (far,tar)=(0.0119989,0.911667) | | | | | |
| Quality | 1(excellent) | 2(veryGood) | 3(good) | 4(fair) | 5(poor) |
| FAR | 0.0150724 | 0.00741376 | 0.0137162 | 0.0214127 | 0.0141565 |
| TAR | 0.993522 | 0.980851 | 0.930609 | 0.708502 | 0.278196 |

(FAR,TAR)at fixed threshold - Vendor VTB - DHS10 - Left Thumb

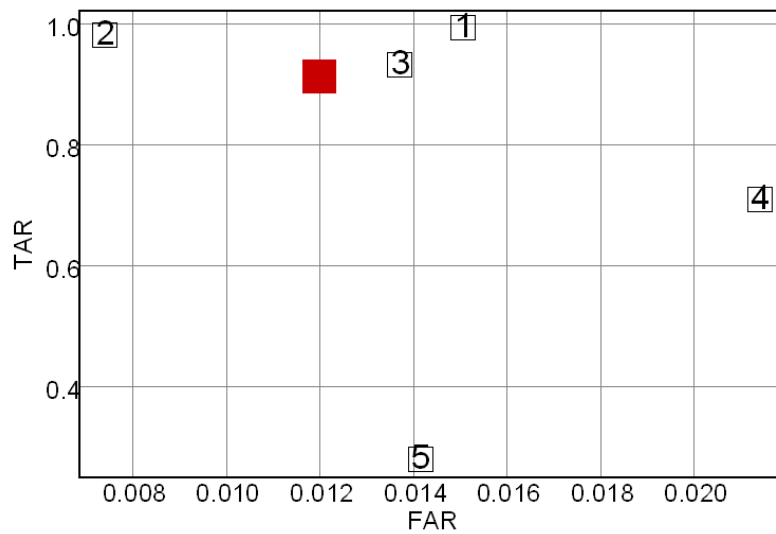
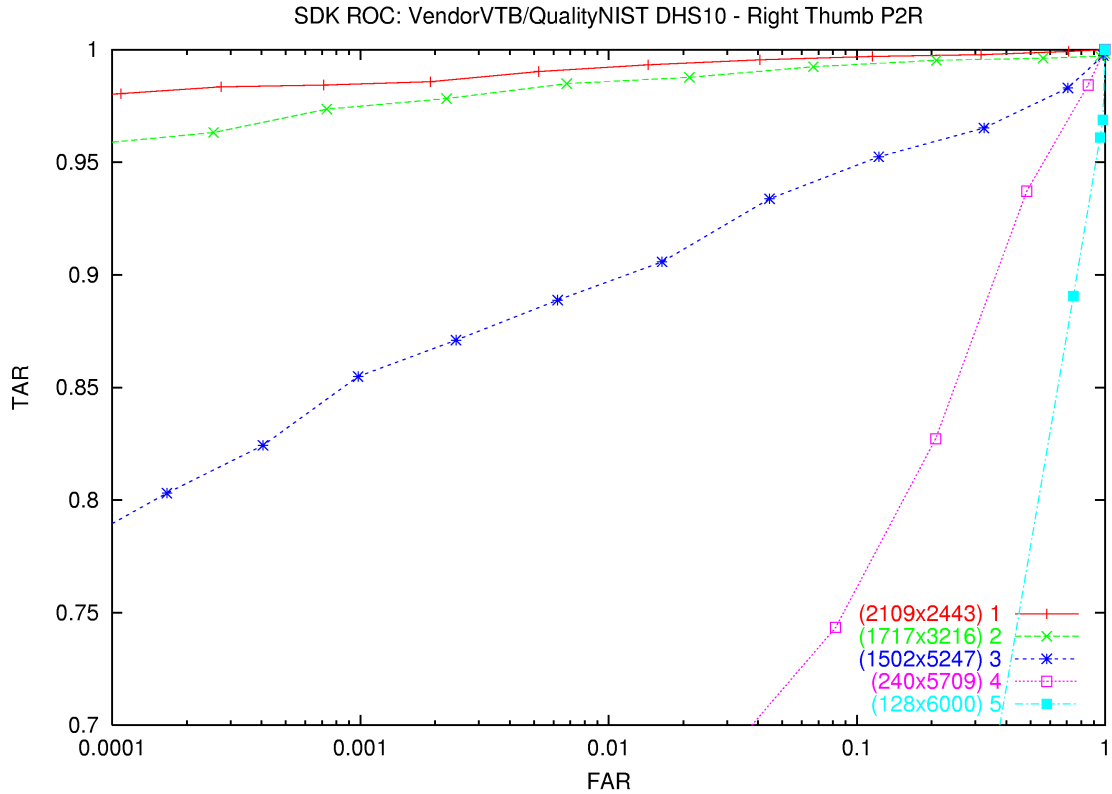


Figure 11. The effect of quality on ROC - Vendor VTB - Dataset DHS10- Left Thumb



| Vendor VTB- DHS10- Right Thumb | | | | | |
|---|--------------|-------------|-----------|-----------|----------|
| threshold=14 (far,tar)=(0.0137585,0.916167) | | | | | |
| Quality | 1(excellent) | 2(veryGood) | 3(good) | 4(fair) | 5(poor) |
| FAR | 0.0144148 | 0.00677527 | 0.0164051 | 0.0321467 | 0.017934 |
| TAR | 0.993253 | 0.984906 | 0.905773 | 0.691099 | 0.3125 |

(FAR,TAR)at fixed threshold - Vendor VTB - DHS10 - Right Thumb

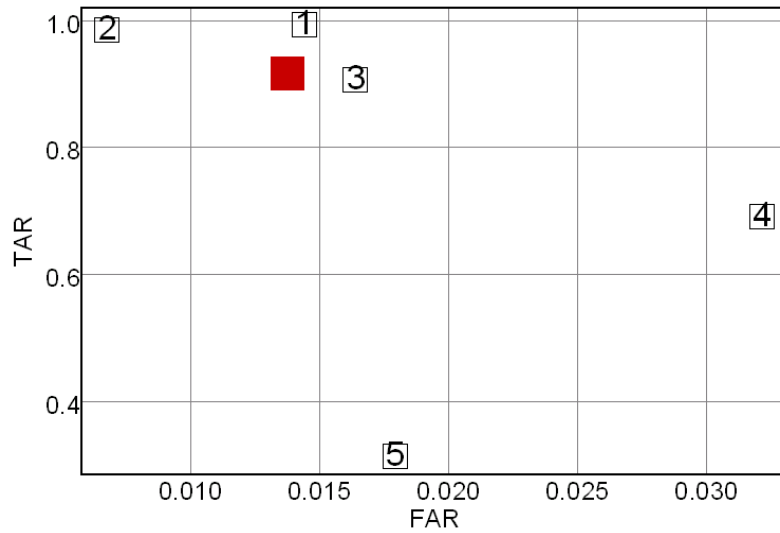
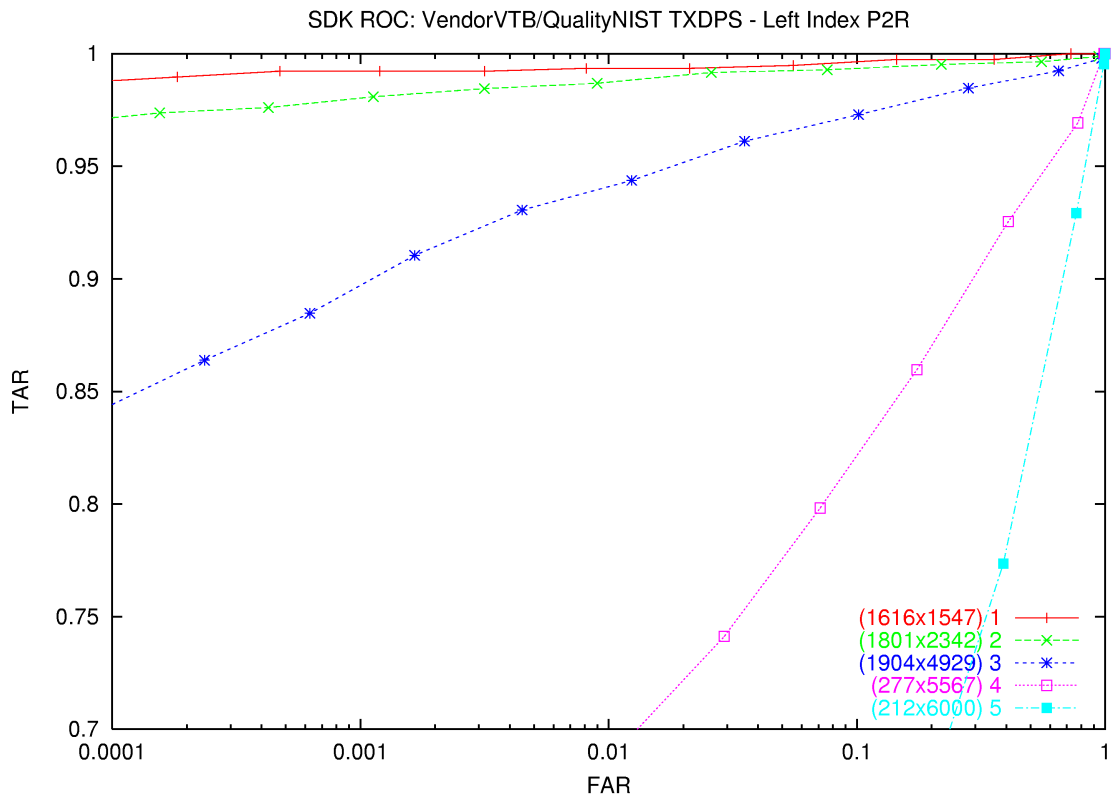


Figure 12. The effect of quality on ROC - Vendor VTB - Dataset DHS10 - Right Thumb



| Vendor VTB- TXDPS- Left Index threshold=14 (far,tar)=(0.013227,0.924833) | | | | | |
|---|--------------|-------------|-----------|-----------|-----------|
| Quality | 1(excellent) | 2(veryGood) | 3(good) | 4(fair) | 5(poor) |
| FAR | 0.0211841 | 0.00898341 | 0.0123895 | 0.0292192 | 0.0208557 |
| TAR | 0.993523 | 0.986858 | 0.94375 | 0.741228 | 0.40566 |

(FAR,TAR)at fixed threshold - Vendor VTB - TXDPS - Left Index

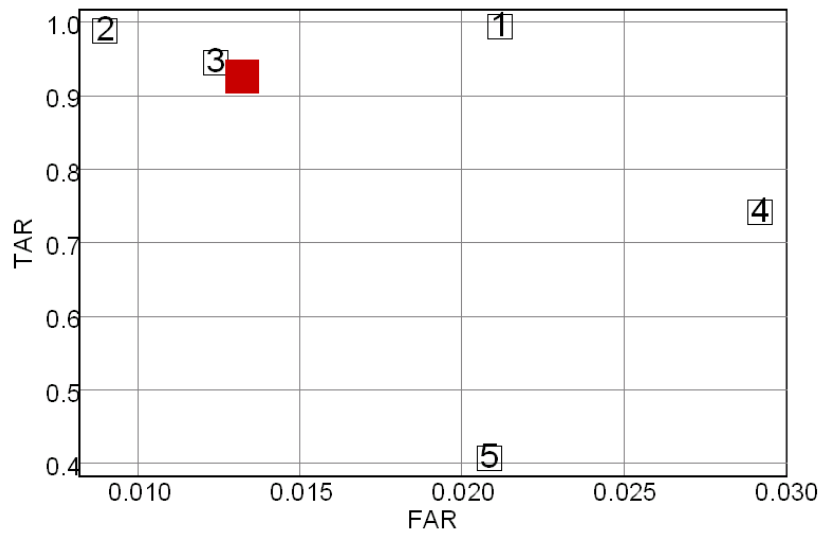
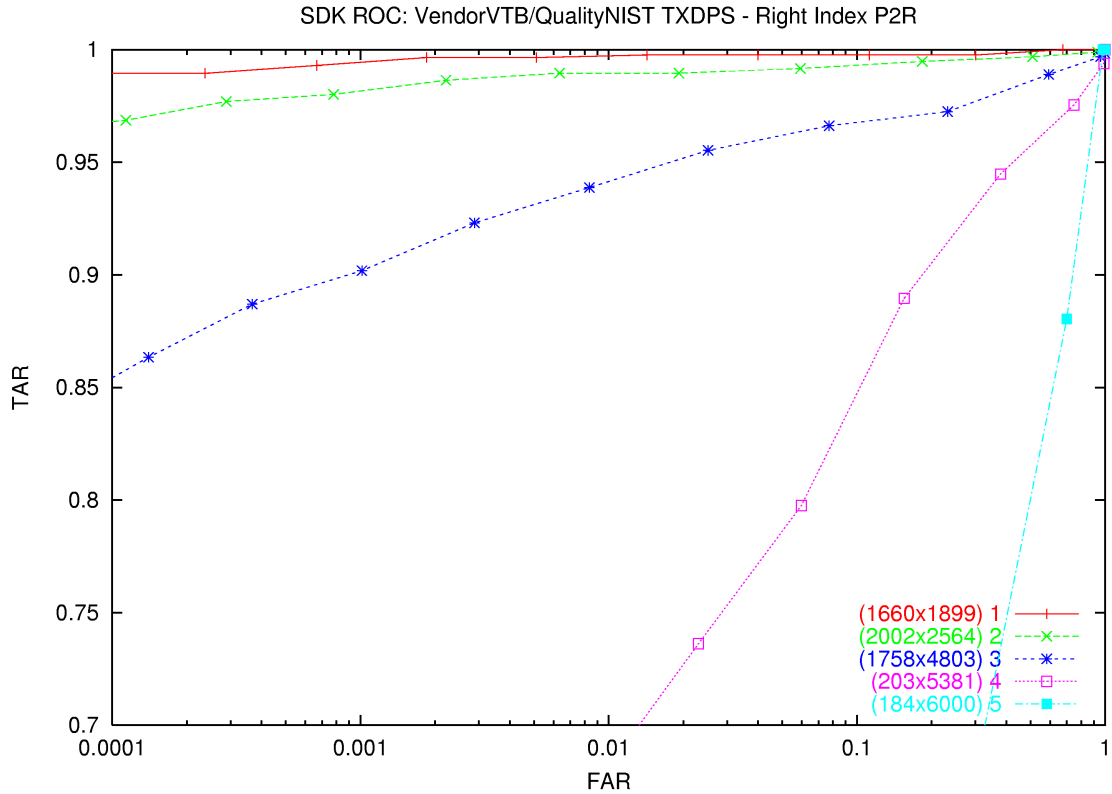


Figure 13. The effect of quality on ROC - Vendor VTB - Dataset TXDPS - Left Index



| Vendor VTB- TXDPS- Right Index | | | | | |
|--|--------------|-------------|------------|----------|----------|
| threshold=14 (far,tar)=(0.00906351,0.930333) | | | | | |
| Quality | 1(excellent) | 2(veryGood) | 3(good) | 4(fair) | 5(poor) |
| FAR | 0.0142374 | 0.00634371 | 0.00836966 | 0.022999 | 0.01337 |
| TAR | 0.997666 | 0.98954 | 0.938776 | 0.736196 | 0.380435 |

(FAR,TAR)at fixed threshold - Vendor VTB - TXDPS - Right Index

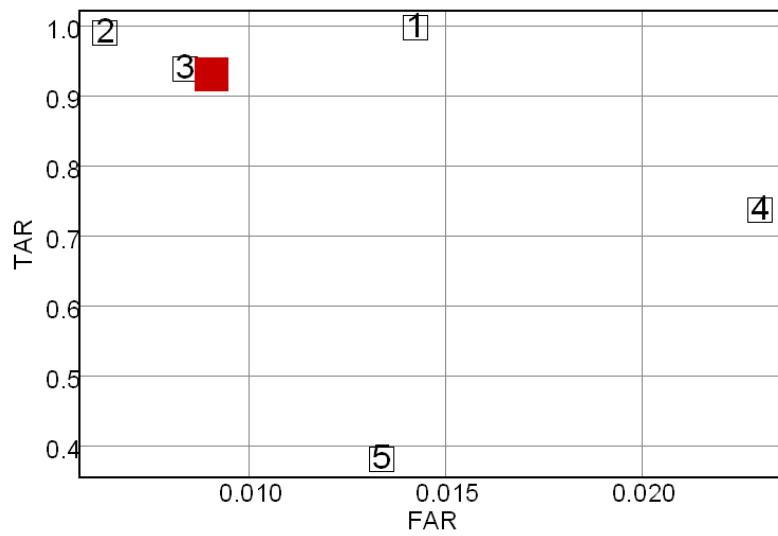
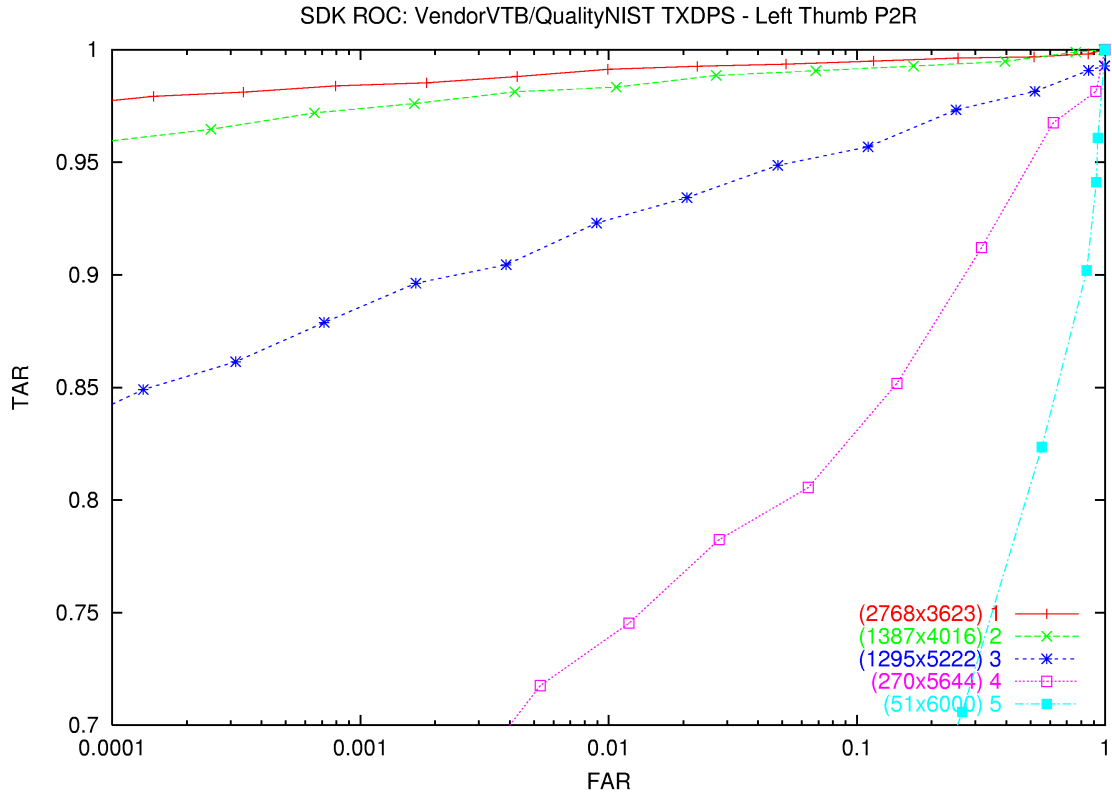


Figure 14. The effect of quality on ROC - Vendor VTB - Dataset TXDPS - Right Index



| Vendor VTB- TXDPS- Left Thumb | | | | | |
|---|--------------|-------------|-----------|-----------|-----------|
| threshold=16 (far,tar)=(0.0186988,0.9475) | | | | | |
| Quality | 1(excellent) | 2(veryGood) | 3(good) | 4(fair) | 5(poor) |
| FAR | 0.0227708 | 0.0107279 | 0.0206633 | 0.0278336 | 0.0178951 |
| TAR | 0.99264 | 0.983368 | 0.934292 | 0.782407 | 0.411765 |

(FAR,TAR)at fixed threshold - Vendor VTB - TXDPS - Left Thumb

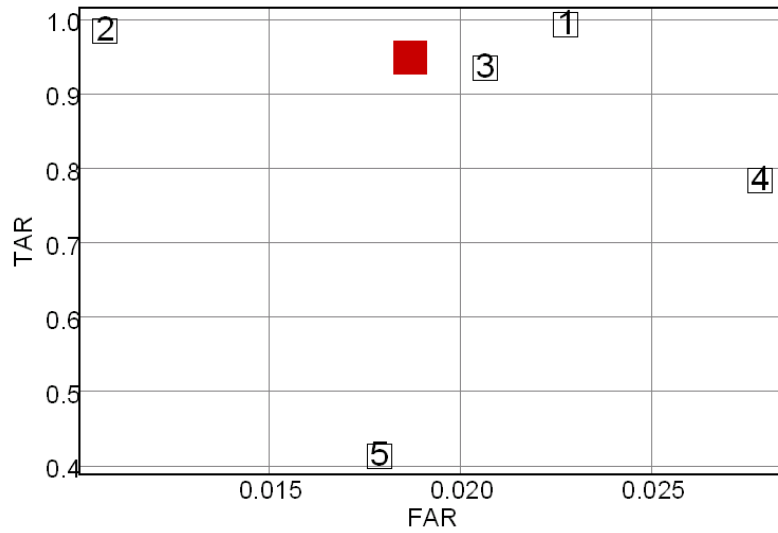
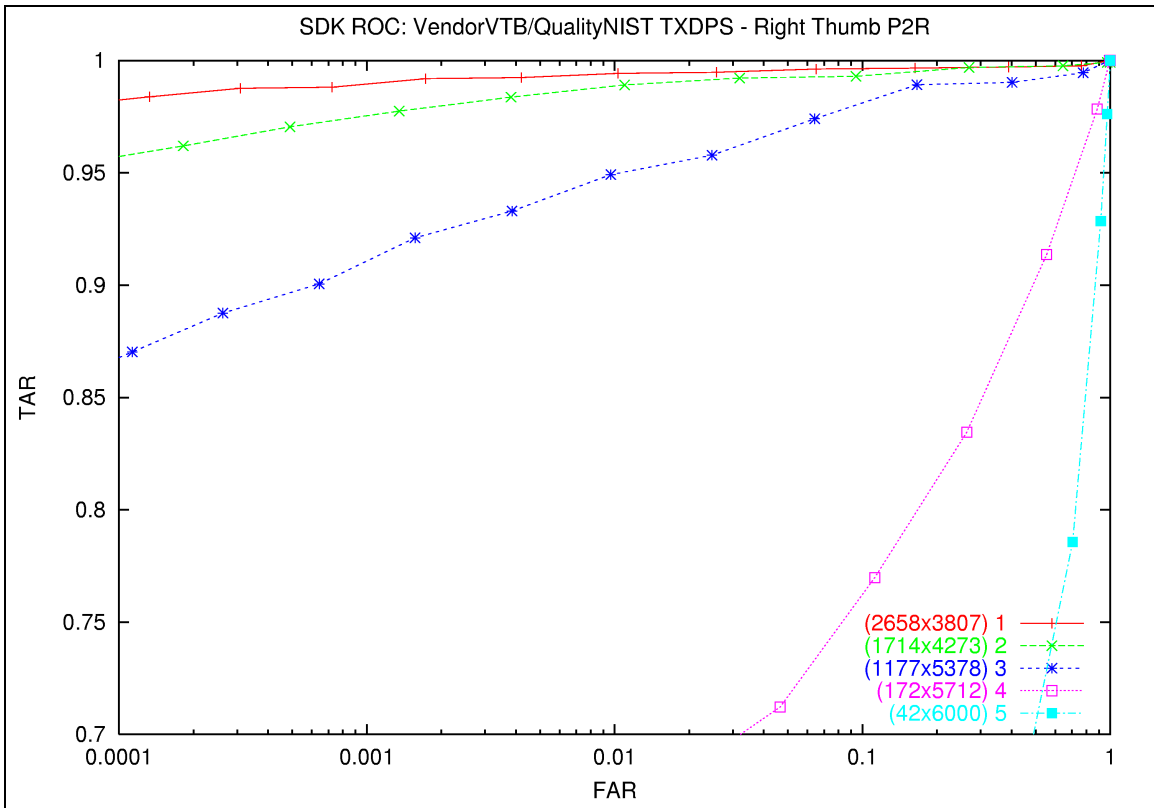


Figure 15. The effect of quality on ROC - Vendor VTB - Dataset TXDPS - Left Thumb



Vendor VTB- TXDPS- Right Thumb
threshold=14 (far,tar)=(0.0210735,0.960167)

| Quality | 1(excellent) | 2(veryGood) | 3(good) | 4(fair) | 5(poor) |
|---------|--------------|-------------|-----------|-----------|-----------|
| FAR | 0.0257439 | 0.0109801 | 0.0247335 | 0.0465029 | 0.0203804 |
| TAR | 0.994779 | 0.989139 | 0.957838 | 0.71223 | 0.404762 |

(FAR,TAR)at fixed threshold - Vendor VTB - TXDPS - Right Thumb

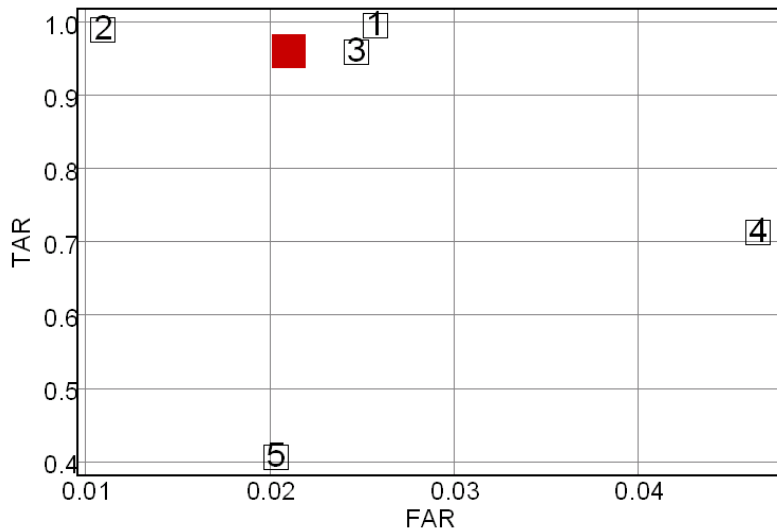
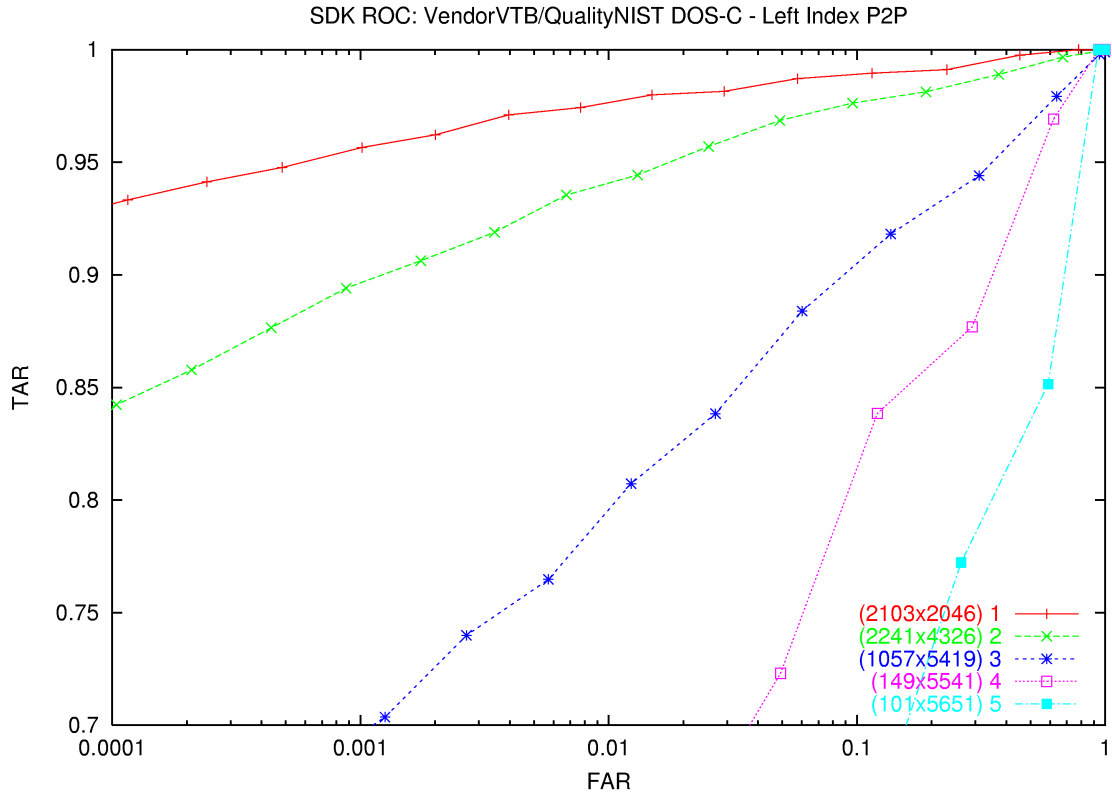


Figure 16. The effect of quality on ROC - Vendor VTB - Dataset TXDPS - Right Thumb



| Vendor VTB- DOS-C- Left Index | | | | | |
|---|--------------|-------------|-----------|------------|------------|
| threshold=16 (far,tar)=(0.0198313,0.889833) | | | | | |
| Quality | 1(excellent) | 2(veryGood) | 3(good) | 4(fair) | 5(poor) |
| FAR | 0.0291536 | 0.0252654 | 0.0123033 | 0.00905293 | 0.00807851 |
| TAR | 0.981511 | 0.957001 | 0.807254 | 0.615385 | 0.356436 |

(FAR,TAR)at fixed threshold - Vendor VTB - DOS-C - Left Index

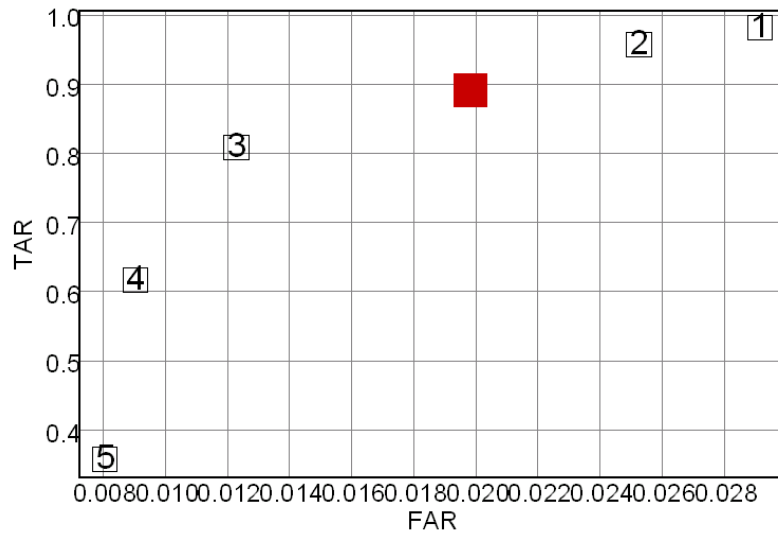
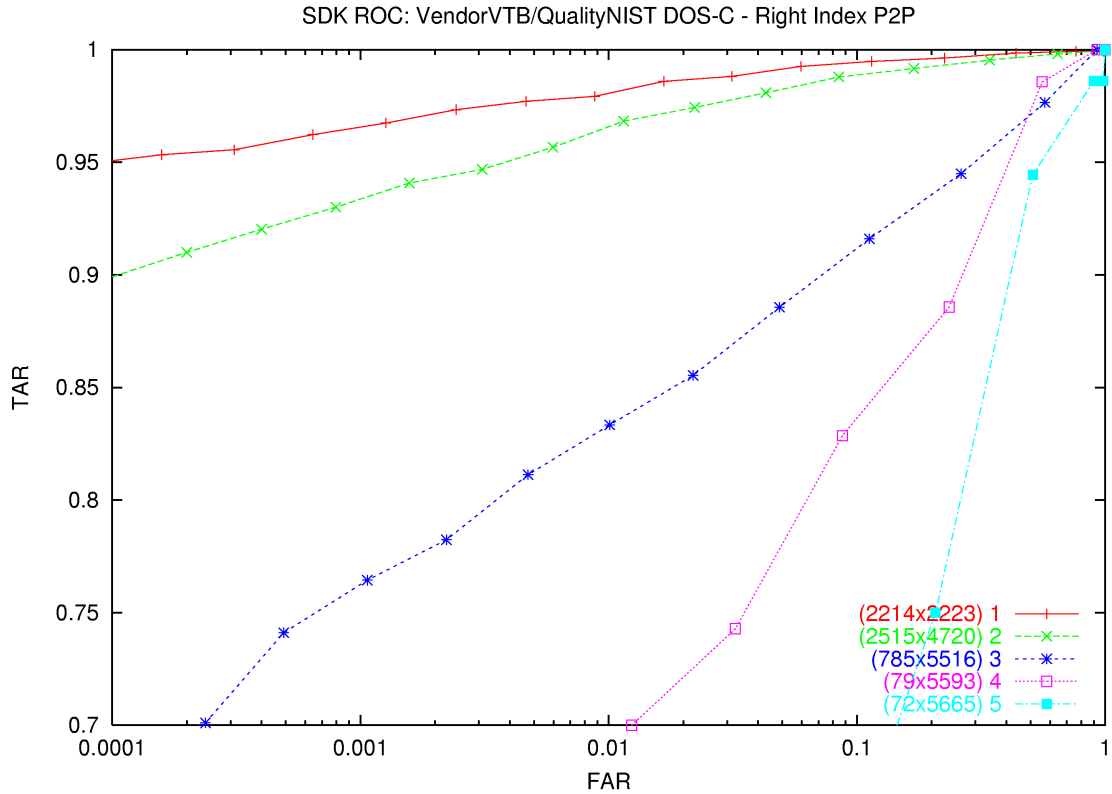


Figure 17. The effect of quality on ROC - Vendor VTB - Dataset DOS-C - Left Index



| Vendor VTB- DOS-C- Right Index | | | | | |
|---|--------------|-------------|------------|------------|------------|
| threshold=18 (far,tar)=(0.0101238,0.921167) | | | | | |
| Quality | 1(excellent) | 2(veryGood) | 3(good) | 4(fair) | 5(poor) |
| FAR | 0.0166443 | 0.0114927 | 0.00473537 | 0.00207571 | 0.00210884 |
| TAR | 0.985936 | 0.968298 | 0.811295 | 0.585714 | 0.347222 |

(FAR,TAR)at fixed threshold - Vendor VTB - DOS-C - Right Index

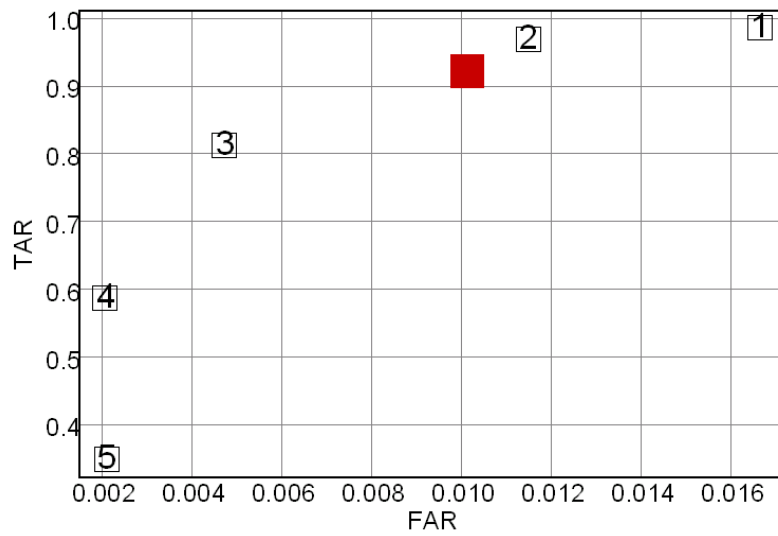
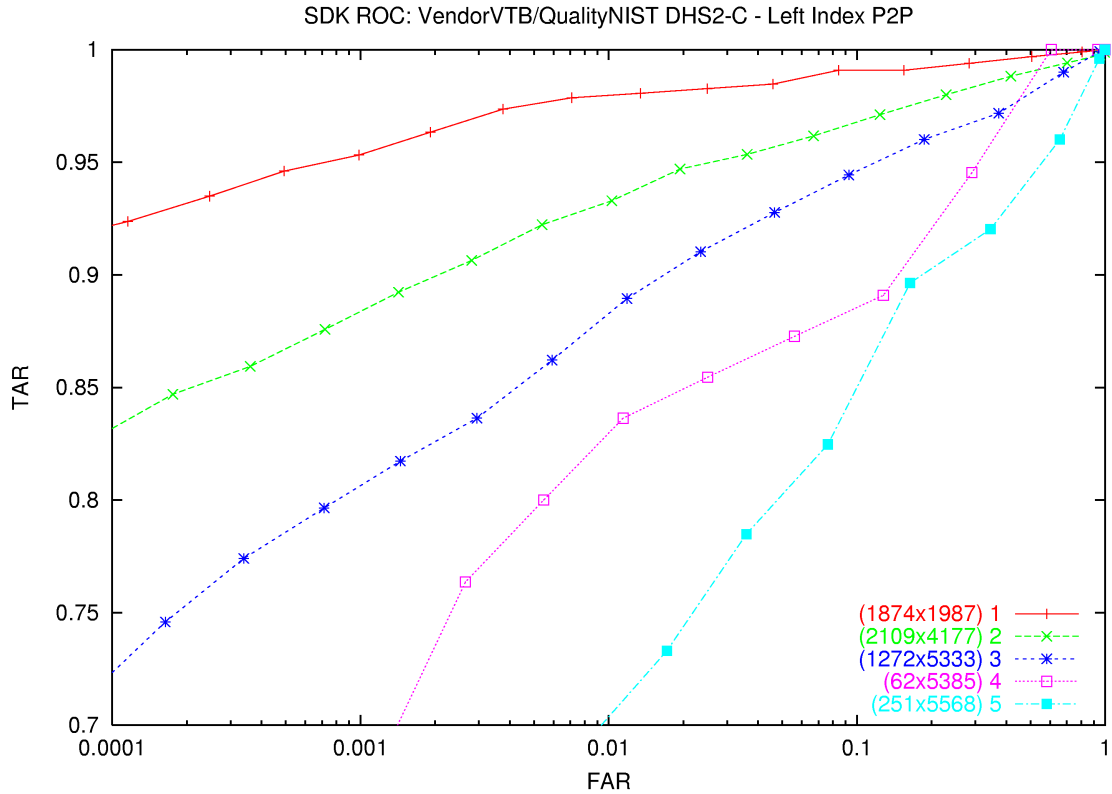


Figure 18. The effect of quality on ROC - Vendor VTB - Dataset DOS-C - Right Index



| Vendor VTB- DHS2-C- Left Index threshold=18 (far,tar)=(0.0159232,0.915082) | | | | | |
|---|--------------|-------------|-----------|------------|------------|
| Quality | 1(excellent) | 2(veryGood) | 3(good) | 4(fair) | 5(poor) |
| FAR | 0.0249185 | 0.0193728 | 0.0118397 | 0.00547609 | 0.00824079 |
| TAR | 0.982706 | 0.947028 | 0.889535 | 0.8 | 0.693227 |

(FAR,TAR)at fixed threshold - Vendor VTB - DHS2-C - Left Index

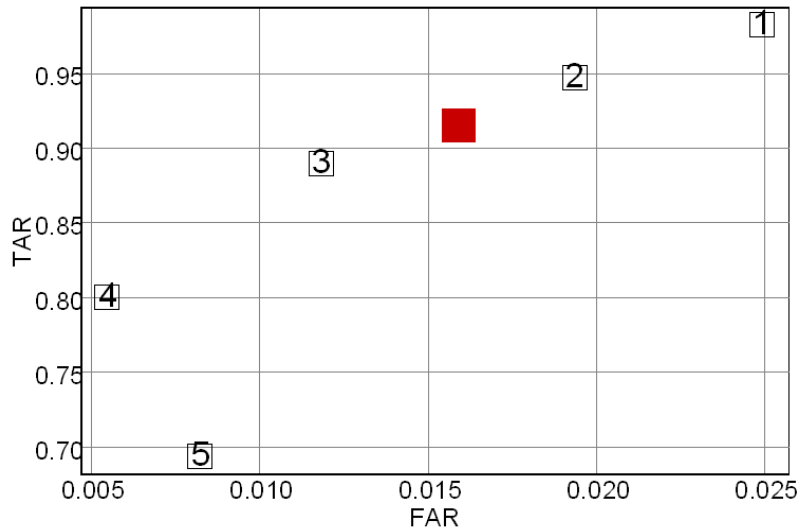
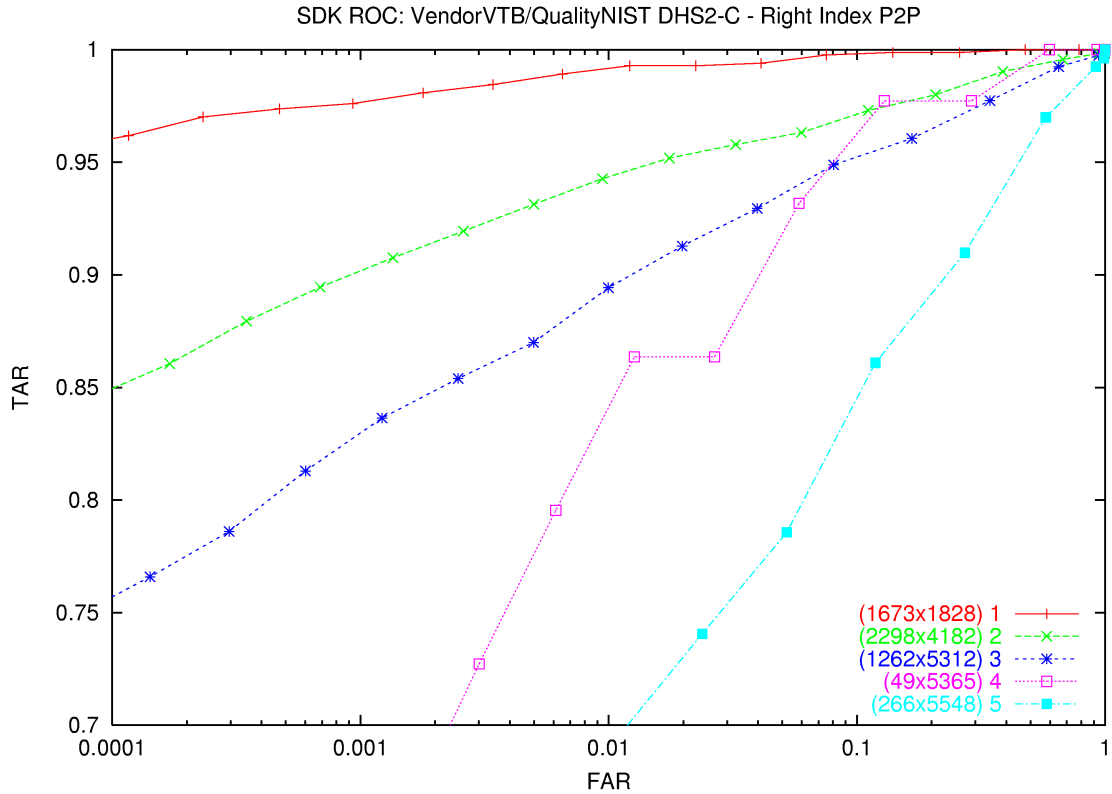


Figure 19. The effect of quality on ROC - Vendor VTB - Dataset DHS2-C - Left Index



| Vendor VTB- DHS2-C- Right Index threshold=18 (far,tar)=(0.0139838,0.918478) | | | | | |
|--|--------------|-------------|------------|------------|------------|
| Quality | 1(excellent) | 2(veryGood) | 3(good) | 4(fair) | 5(poor) |
| FAR | 0.022386 | 0.0175667 | 0.00996367 | 0.00611777 | 0.00528769 |
| TAR | 0.992832 | 0.951892 | 0.894295 | 0.795455 | 0.672932 |

(FAR,TAR)at fixed threshold - Vendor VTB - DHS2-C - Right Index

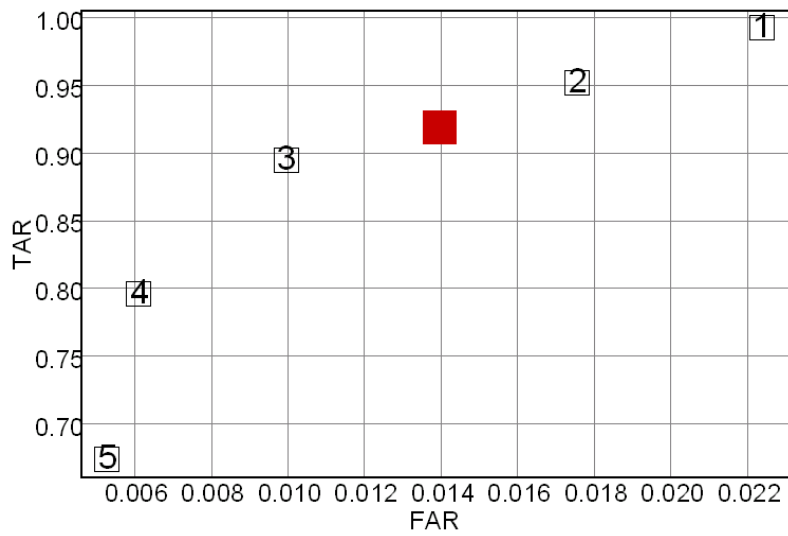


Figure 20. The effect of quality on ROC - Vendor VTB - Dataset DHS2-C - Right Index