

**Additional file 4: Table S3. Results of the ROC curve analysis, the sensitivity, specificity, and cutoff value.**

| Genes  | ROC Area | Sensitivity (%) | Specificity (%) | Cutoff value |
|--------|----------|-----------------|-----------------|--------------|
| PTGDR1 | 0.6767   | 86.11           | 69.44           | 0.1609       |
| PTGDR2 | 0.6265   | 94.44           | 66.67           | 0.1231       |
| PTGER1 | 0.6574   | 88.89           | 68.06           | 0.0484       |
| PTGER2 | 0.6154   | 83.33           | 61.11           | 0.1614       |
| PTGER3 | 0.4769   | 86.11           | 55.56           | 0.5023       |
| PTGER4 | 0.5405   | 100.00          | 56.94           | 0.4192       |
| PTGFR  | 0.6289   | 97.22           | 68.06           | 0.3681       |
| PTGIR  | 0.6736   | 86.11           | 68.06           | 0.1089       |
| TBXA2R | 0.6605   | 77.78           | 68.06           | 0.0823       |