Supplemental Figure 11

Supplemental Figure 11. Diagnostic performance of a three gene signature (*CXCL8, HLA-DQB1* and *IL6*) to identify neurofibromas contiguous with MPNST. Logistic regression analysis reveals an area under the receiver operating characteristic (ROC) curve of 0.889 (SE=0.06097, 95% CI: 0.7694 to 1.000, p<0.001) for *CXCL8* **(A)**, 0.0900 (SE=0.05830, 95% CI: 0.7857 to 1.000, p<0.0007) for *HLA-DQB1* **(B)** and 0.8833 (SE=0.07503 95% CI: 0.7363 to 1.000, p<0.0011) for *IL6* **(C)**. Multiple logistic regression analysis further revealed an area under the ROC curve **(D)** of 0.9778 (SE=0.02246, 95% CI: 0.9338 to 1.000, p<0.0001) suggesting that the expression of *CXCL8, HLA-DQB1* and *IL6* have excellent discriminatory ability for distinguishing lesions that are contiguous with MPNST from those that are not. The negative and positive predictive power were 95% and 88.89%, respectively **(E)**.