Figure 1: ASCL1 sequence (regulatory region and exon1) derived from Refseq NM_004316 9hg19). The coding sequence is in upper case and underlined is the CpG rich region.

>hg19_refGene_NM_004316
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ccagcactttttttcactgttctggacggagtccctcccccaaccatgtt
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TCCGGCCAGGGAGGGCGAGTGAAAGAAGGAAATCAGAAAGGAAGGGAGTT
AACAAAATAATAAAAACAGCCTGAGCCACGGCTGGAGAGACCGAGACCCG
GCGCAAGAGAGCGCAGCCTTAGTAGGAGAGGAACGCGAGACGCGGCAGAG
CGCGTTCAGCACTGACTTTTGCTGCTGCTTCTGCTTTTTTTTTTCTTAGA
AACAAGAAGGCGCCAGCGGCAGCCTCACACGCGAGCGCCACGCGAGGCTC
CCGAAGCCAACCCGCGAAGGGAGGAGGGGAGGGAGGAGGAGGCGGCGTGC
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ATATTTCCTTTTCTTTCCCTCTCTGTTCCTGCACCCAAGTTCTCTCTGTG
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GCAGCGGCAGCGCAGAGCGCGCAGCAGCAGCAGCAGCAGCAGCAGCAGCA
GCAGCAGGCGCCGCAGCTGAGACCGGCGGCCGACGGCCAGCCCTCAGGGG
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CCCGAACTGATGCGCTGCAAACGCCGGCTCAACTTCAGCGGCTTTGGCTA
CAGCCTGCCGCAGCAGCAGCCGGCCGCCGTGGCGCGCCGCAACGAGCGCG
AGCGCAACCGCGTCAAGTTGGTCAACCTGGGCTTTGCCACCCTTCGGGAG
CACGTCCCCAACGGCGCGGCCAACAAGAAGATGAGTAAGGTGGAGACACT
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ATGACGCGGTGAGCGCCGCCTTCCAGGCAGGCGTCCTGTCGCCCACCATC
TCCCCCAACTACTCCAACGACTTGAACTCCATGGCCGGCTCGCCGGTCTC
ATCCTACTCGTCGGACGAGGGCTCTTACGACCCGCTCAGCCCCGAGGAGC
AGGAGCTTCTCGACTTCACCAACTGGTTCTGAGGGGCTCGGCCTGGTCAG
GCCCTGGTGCGAATGGACTTTGGAAGCAG

Figure 2: LHX8 sequence (regulatory region and exon1) derived from Refseq NM_001001933 (hg19). The coding sequence is in upper case and underlined is the CpG rich region.

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tccccctcctactccgcagTGTCAGGGGCTCATGTCAGAGGAGTGCGGGC
GGACTACAGCCCTGGCGGCCGGGAGGACTCGCAAAGGCGCCGGGGAAGAG
GGACTG

Figure 3: ST6GALNAC5 sequence (regulatory region, exon1, intron 1 and exon 2) derived from Refseq NM_030965 (hg19). The coding sequence is in upper case and underlined is the CpG rich region.

>hg19_refGene_NM_030965
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CCGCGGCCGGCTGCTGGGCAAAAATCAGAGCCGCCTCCGCCCCATTACCC
ATCATGGAAACCCTCCAGGAAAAAGTGGCCCCGGACGCGCGAGCCTGAGG
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AGCCGGCGGCGGAGAGCAGCACCCAGCAGCGCCCCGGGGTCCCCGCGGGA
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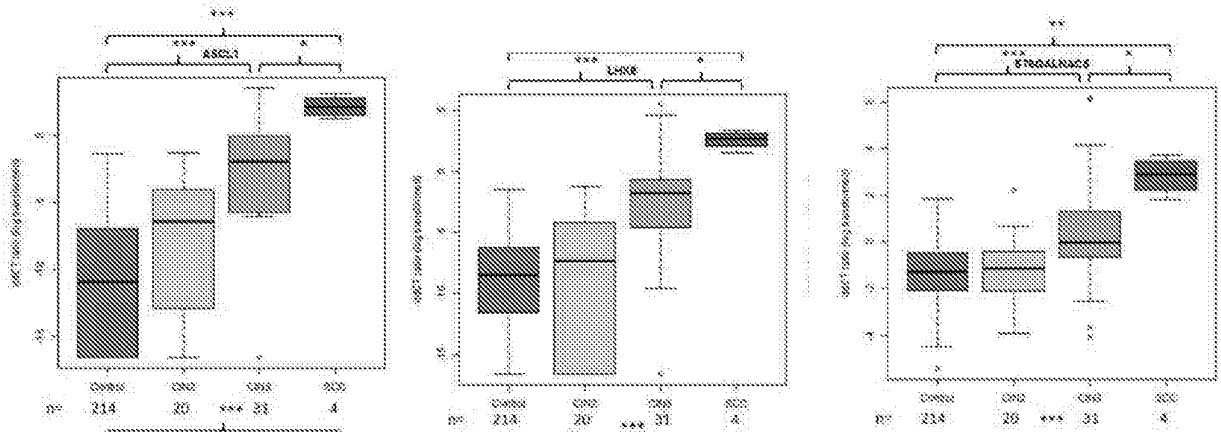
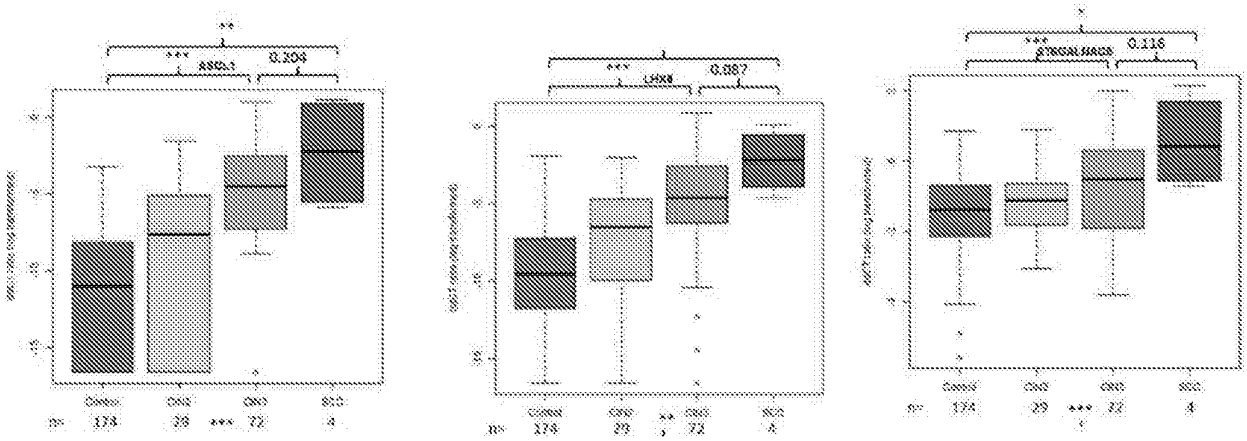
Figure 4

A. hrHPV-positive lavage self-samples



B. hrHPV-positive brush self-samples



C.

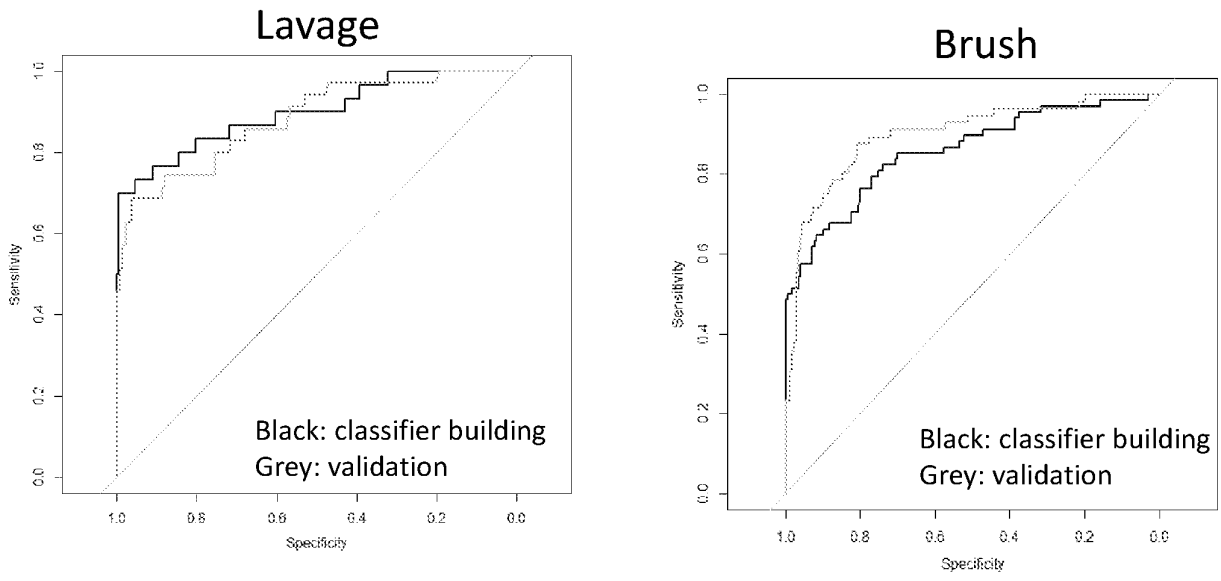
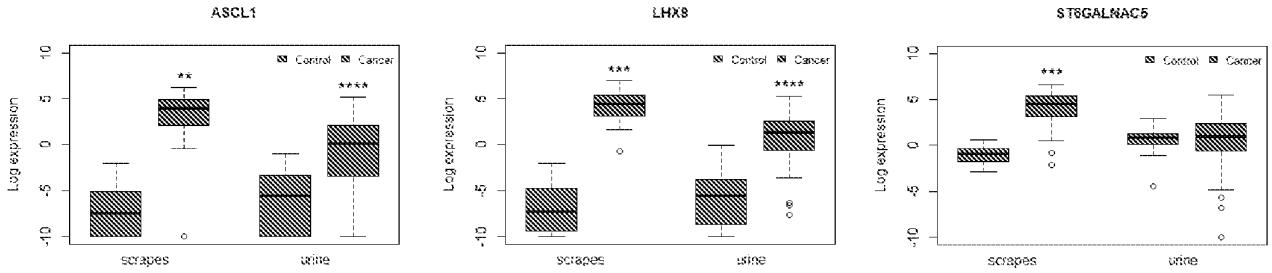
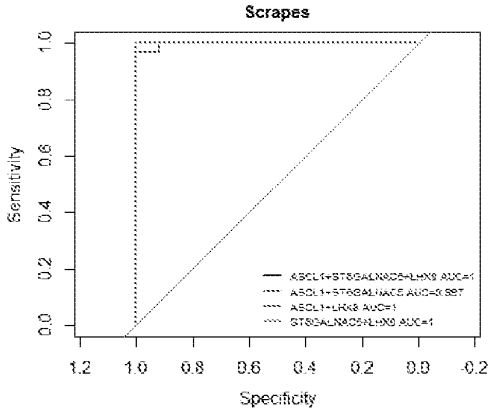


Figure 5

A. qMSP results in scrapes and urine



B. Receiver Operating Characteristics (ROC) curves in HPV+ scrapes



C. Receiver Operating Characteristics (ROC) curves in urine

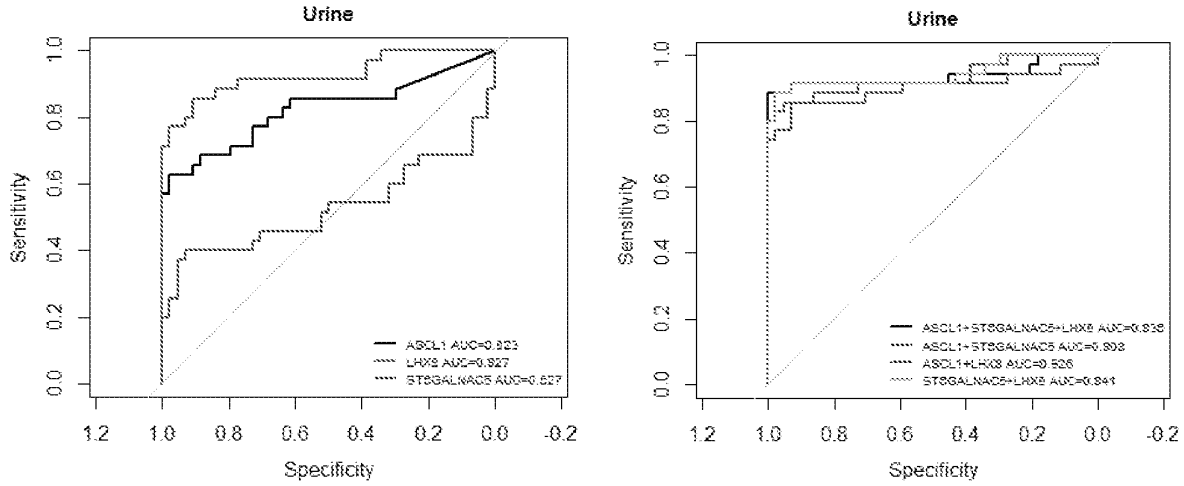
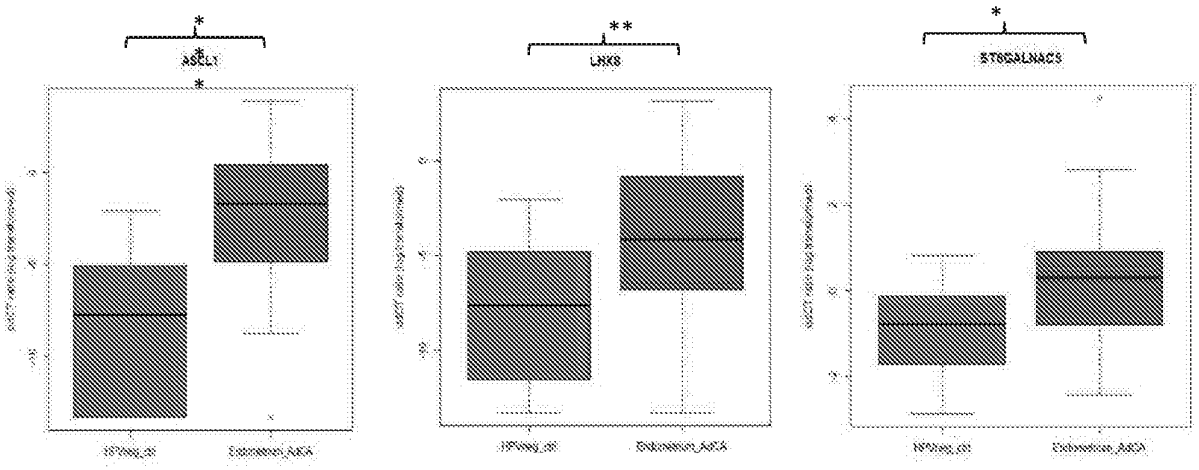


Figure 6

qMSP results in cervical scrapes of patients with endometrial cancer



n= 27 24 n= 27 24 n= 27 24

Figure 7: ZNF-582 sequence (regulatory region and exon1) derived from Refseq NM_144690 (hg19). The coding sequence is in upper case and underlined is the CpG rich region.

>hg19_refGene_NM_144690
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gcactcctccgcgcactgcgcaggcacgcctgcgtccggctcaccctgaa
acatcgcgagatccggcttcaaggccgggctgctgcctttacgcctaaag
actatgtttcccggaagacactgcggcgccggccctatcatggcgcagca
tcggtgtgctttgtgcgtctgcgccatcttccggctgcgcacggcgaatc
CACCGGTACCGTGGTGGAAGCGCGCCCTGGGCTGCCGGGGGCGCGGCCGC
GGTGGCACTTGGACCCGAGGAGGCGGCAG

Figure 8: ZIC1 promoter region and coding sequence (derived from Refseq: NM_003412 (hg19)); CpG islands in grey and coding sequence in UPPER CASE

Figure 9

qMSP results in vulvar specimens

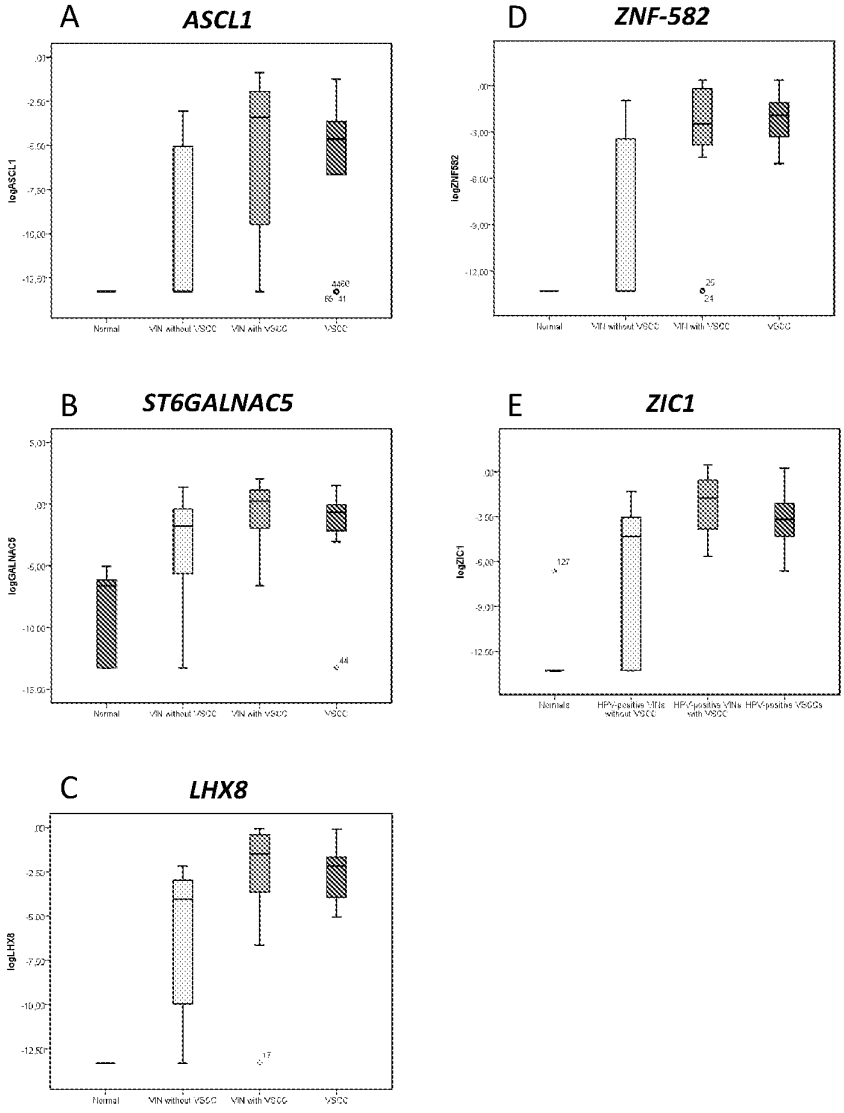
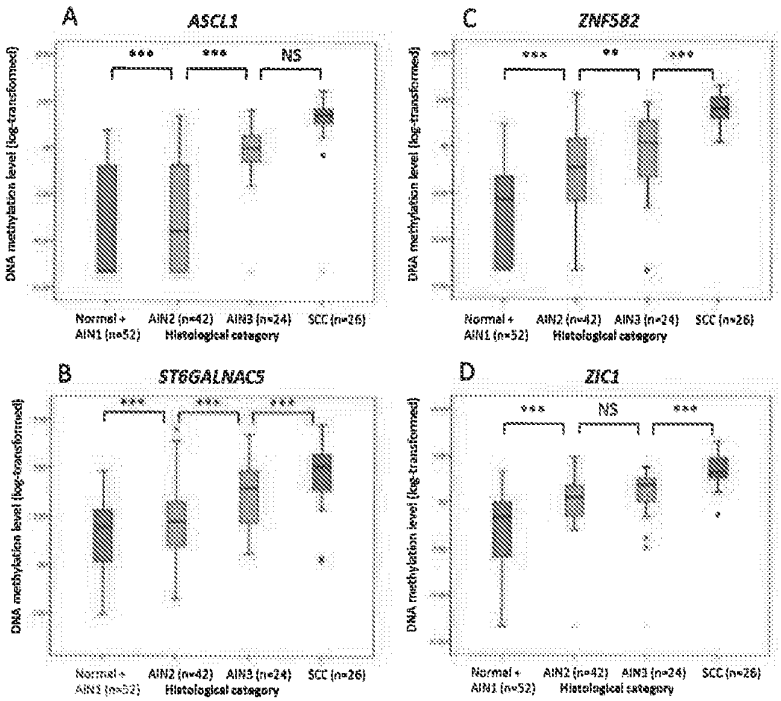


Figure 10

qMSP results in anal specimens