The Vulvar Immunohistochemical Panel (VIP) Project: Molecular Profiles of Vulvar Squamous Cell Carcinoma

Giorgia Garganese , Frediano Inzani, Simona Maria Fragomeni, Giulia Mantovani, Luigi Della Corte , Alessia Piermattei, Angela Santoro, Giuseppe Angelico, Luciano Giacò, Giacomo Corrado, Anna Fagotti, Gian Franco Zannoni and Giovanni Scambia

Table S1. Antibodies used for immunohistochemical reactions.

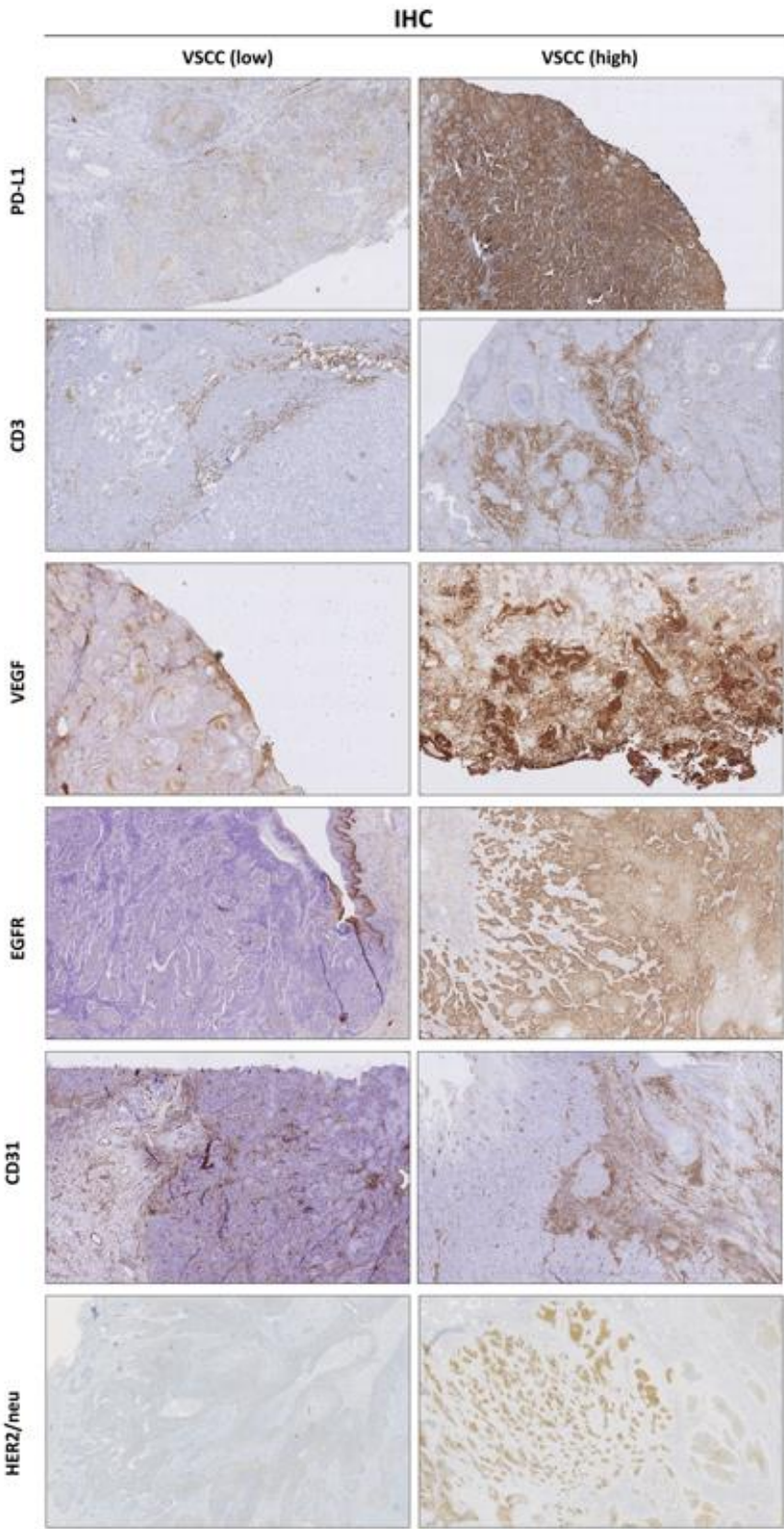| Antibody	Clone	Antibody Supplier	Detection	Instrument
anti-ER	SP1	Roche/Ventana, Tucson, AZ	UltraView Universal DAB Detection Kit	BenchMark ULTRA (Roche/Ventana)
anti-PR	1E2			
anti-HER2	4B5			
anti-p53	Bp53-11			
anti-CD3	2GV6			
anti-p16	CINtec® Histology Kit			
PD-L1	SP263		OptiView DAB IHC Detection Kit	
anti-MLH1	M1			
anti-MSH2	G219-1129			
anti-MSH6	SP93			
anti-PMS2	A16-4			
anti-CD31	JC70A	LEICA	BOND™ Polymer Refine Detection System	Bond III automated immunostainer (Leica Microsystems, IL)
anti-VEGF	VG1	DAKO/AGILENT		
anti-EGFR	E30	DAKO/AGILENT		

Figure S1. Representative examples of low immunohistochemical staining of PD-L1 (60x), CD3 (40x),VEGF (50x), EGFR (60x), CD31 (70x), HER2/neu (100x) (left panel) and high immunohisto-chemical staining of PD-L1 (60x), CD3 (70x),VEGF (40x), EGFR (70x) , CD31 (50x), HER2/neu (60x) (right panel).
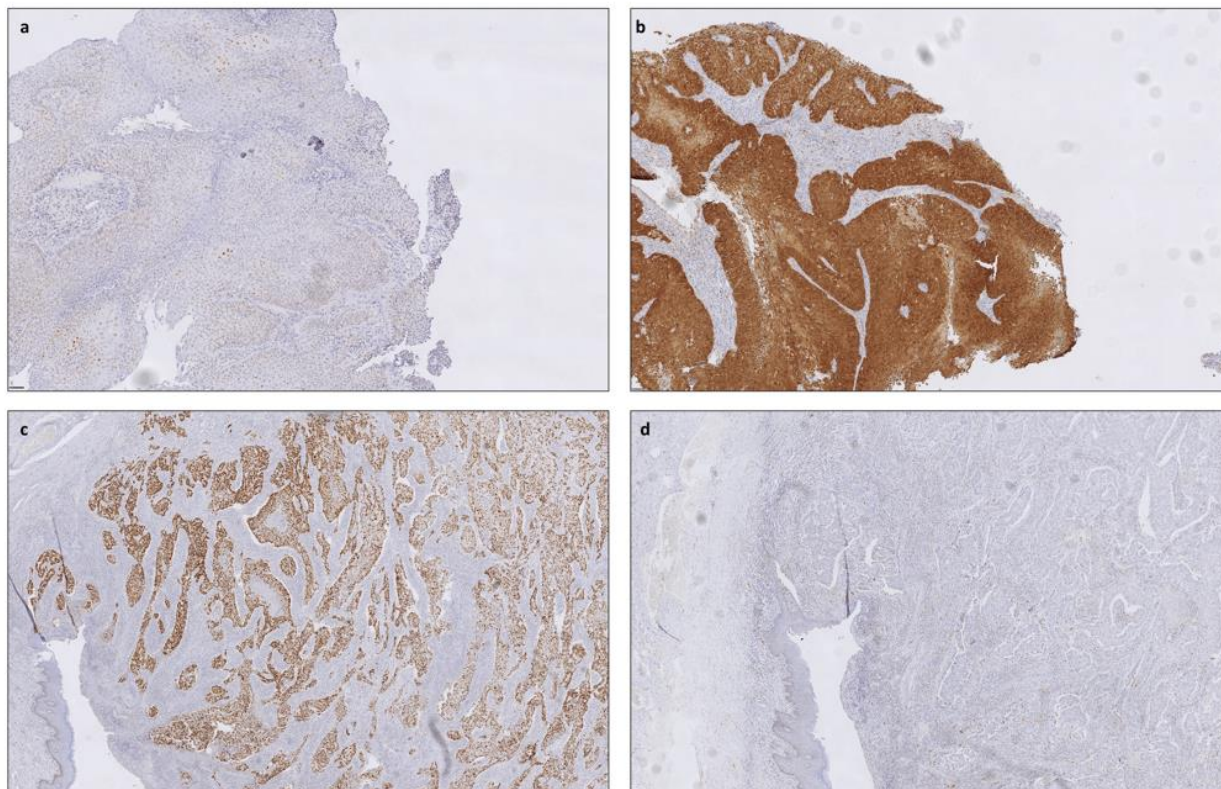

Figure S2. Representative examples of immunohistochemical staining of HPV-related (upper panels) and HPV-independ-ent (lower panels) VSCC. (**a**) p53-wild type (140x), (**b**) p16 INK4a (score 2) (100x), (**c**) p53-mutated (50x), (**d**) p16 ^{INK4a} (score 0) (80x).