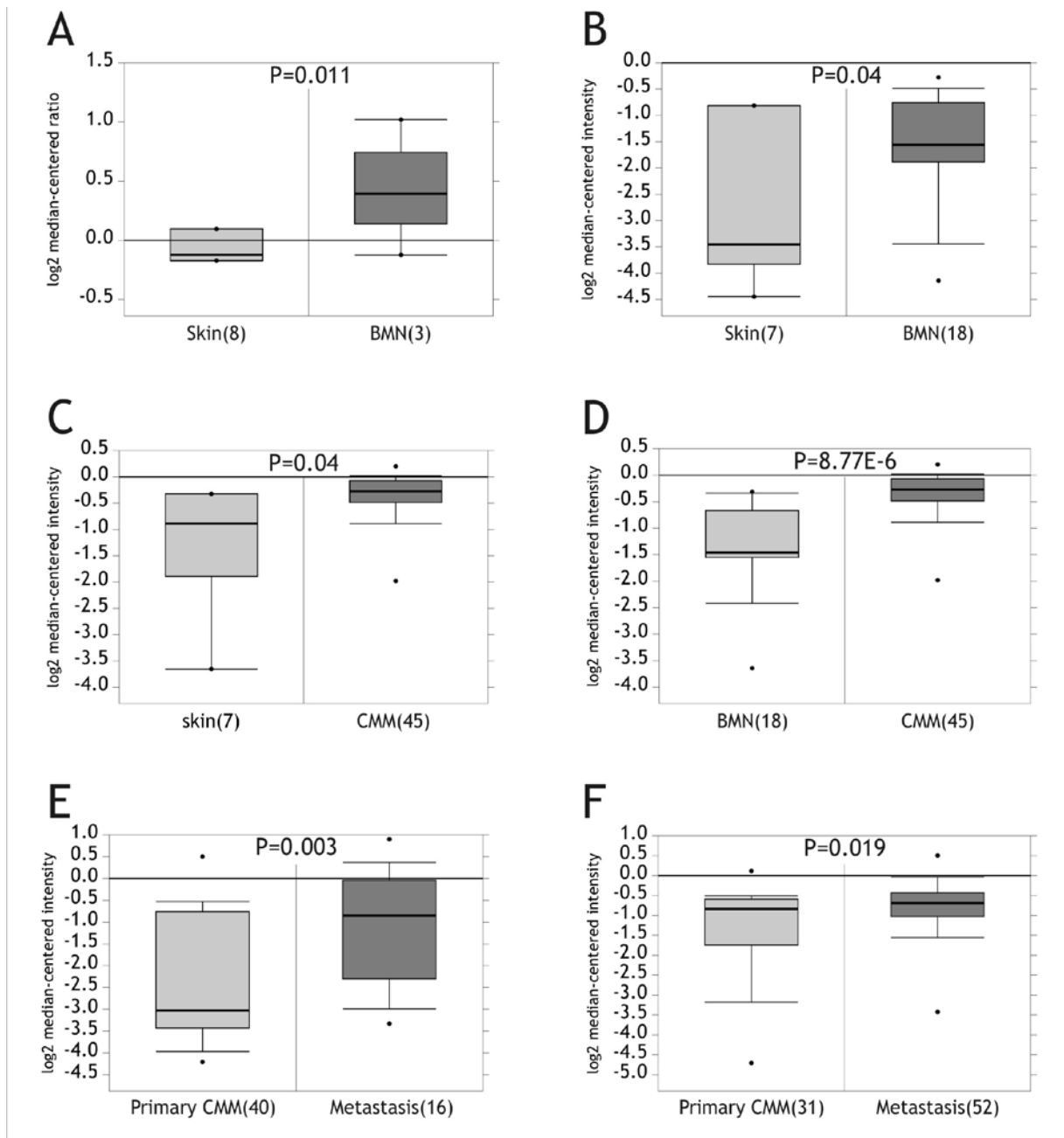
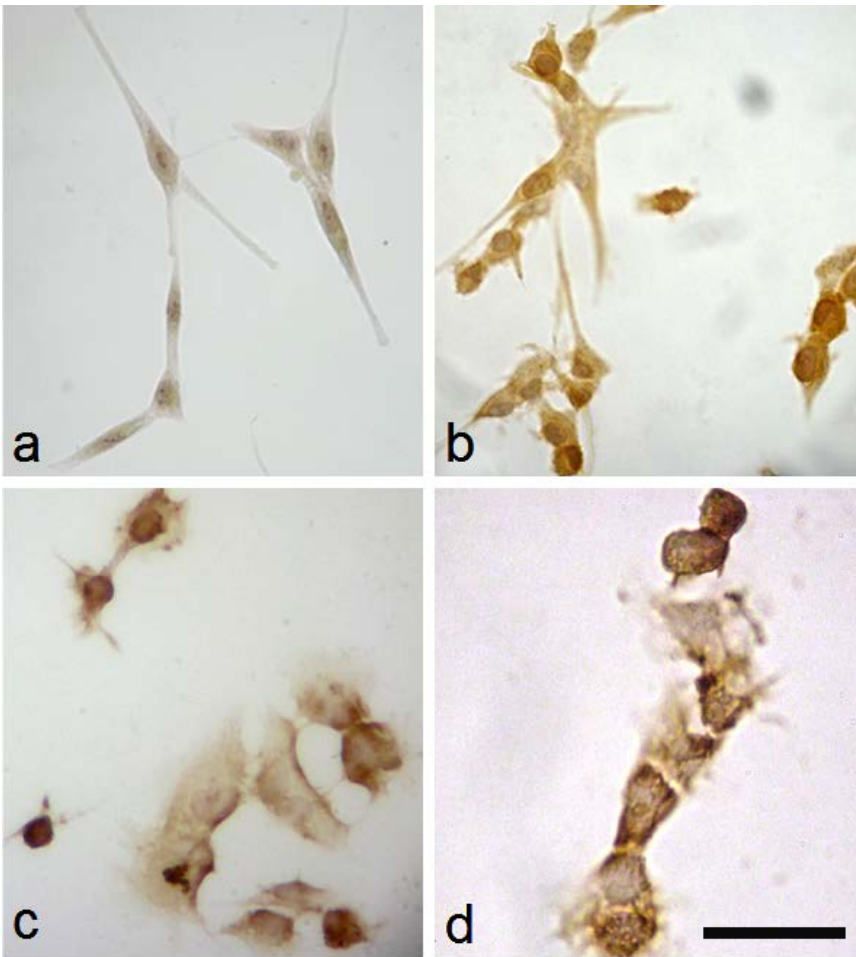


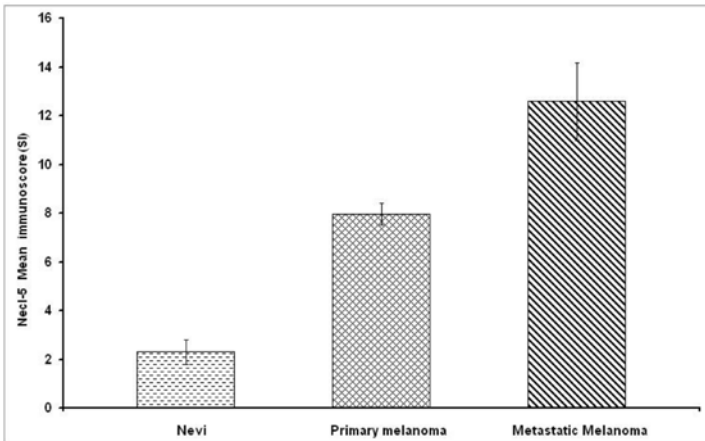
Nectin like -5 overexpression correlates with the malignant phenotype in cutaneous melanoma - Valentina Bevelacqua et al



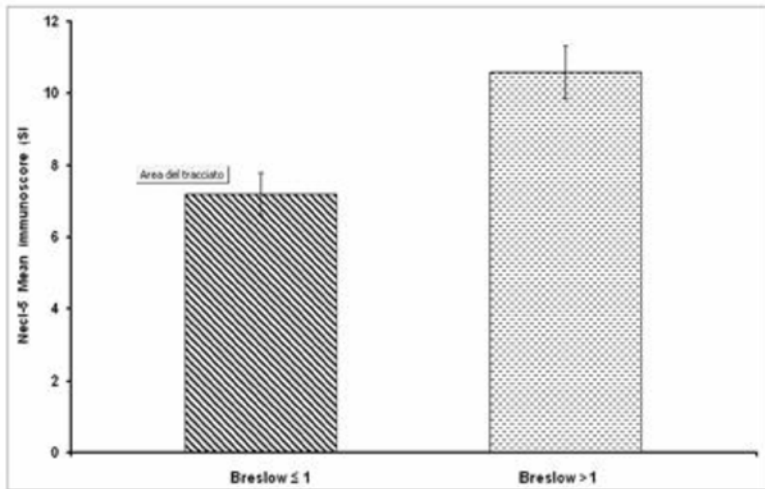
Supplementary Figure 1: Bioinformatic analysis of NECL-5 by ONCOMINE software in different publicly available datasets (see Supplementary Table 1). Differential mRNA expression analyses among normal skin tissue versus benign melanocytic skin nevus (BMN) (A and B); normal skin versus melanoma cutaneous malignant melanoma (CMM) (C); BMN versus CMM (D); Primary melanoma versus metastatic melanoma (E).



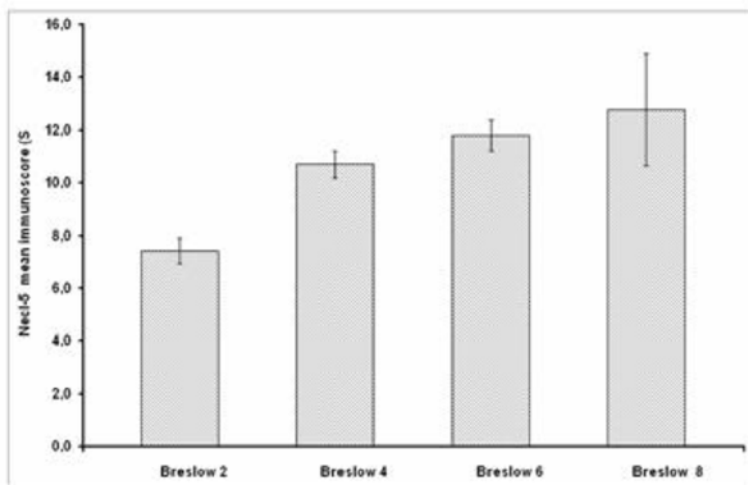
Supplementary Figure 2: Immunolabelling for NECL-5 protein in normal melanocytes and melanoma cell lines. In NHEM (a), the immunostaining is almost absent. MW35 (b), A375 (c) and M14 (d) cells are discretely labelled for NECL-5. The protein is mainly localized on cell membrane as well as on the cell leading edge (bar: 50 μ m).



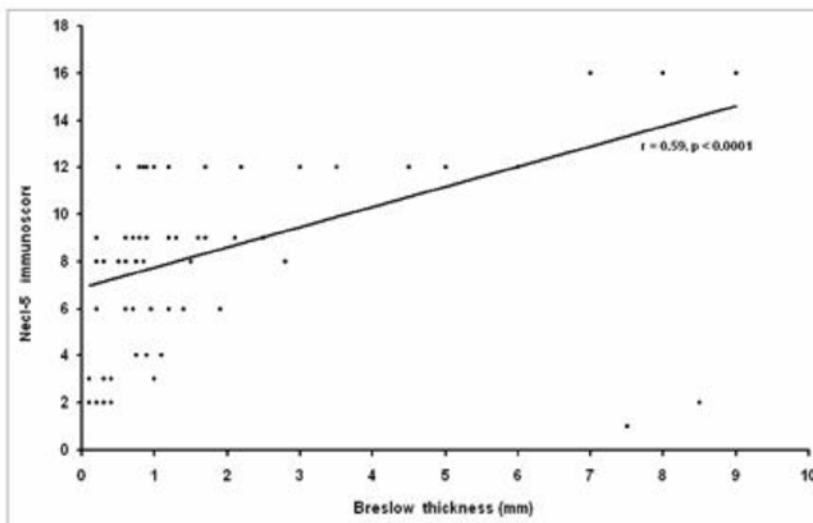
Supplementary Figure 3: The mean \pm SE of the staining in benign nevi, primary and metastatic melanoma samples. Both primary and metastatic melanoma showed significantly higher level of NECL-5 expression than nevi ($P < 0.0001$).



A



B



C

Supplementary Figure 4: Differences of NECL-5 immunoreactive scores in melanoma samples with Breslow ≤ 1 mm and those with thickness > 1 mm. NECL-5 immunoreactive scores were higher in thick (score: mean 10.53 ± 0.74 , $P = 0.003$) than in thin melanomas (score: mean 7.51 ± 0.59) (4a). NECL-5 immunoreactive scores in different Breslow levels of melanoma samples (4b). Correlation between NECL-5 expression and Breslow tumor thickness by Spearman rank test ($r = 0.59$, $P = 0.0001$) (4c).