

Supporting Information for the manuscript

**Association of Angiopoietin-2 and Ki-67 expression with
vascular density and sunitinib response in metastatic renal
cell carcinoma**

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Supporting Information

Non-parametric Spearman rank order correlation test was used to analyse the correlation between Ang2 and CD31 expression scores (Ang2 scores 0-3, CD31 scores 0-3, from negative (0) to high (3) expression) and the response scores (response scores 1-3, PR=1, SD=2, PD=3) using the R-package. All statistical tests were two-sided. Linear fitted surface modeling [1] and smoothed linear least-squares surface fitting [2] were adopted to visualize the correlation of the Ang2, CD31 and Ki-67 expression and sunitib response scores using the scatter 3D function in the car package of the R program.

References

1. Fox J and Weisberg S. An {R} Companion to Applied Regression, Second Edition. Thousand Oaks CA: Sage. (2011) URL: <http://socserv.socsci.mcmaster.ca/jfox/Books/Companion>.
2. R Core Team (2015). R: A language and environment for statistical computing. R Foundation for Statistical Computing, Vienna, Austria. URL <http://www.R-project.org/>).