



**Supplementary Figure S2** Exosome miRNA levels in seminal plasma are altered in azoospermia with different origins. Expression profiling, at the validating stage, of the miRNAs/piRNA in exosomes from semen. Normo, normozoospermic men; Oligo, oligozoospermic men; SA/crypto, men with azoospermia/cryptozoospermia; OA-V, obstructive azoospermia from men successfully vasectomized; OA-N, individuals presenting a pathological naturally occurring obstruction in the genital tract. The horizontal bar displays the median cellular expression level. Significant differences between groups are indicated: \* $P < 0.05$ ; \*\* $P < 0.01$  (Mann Whitney  $U$  test).