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"GPCR-ome" modulation upon PD1 / PDL1 axis blockade

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Altogether, this novel dataset confirms the induction of an effective anti-tumor immune response upon PD1 / PDL1 blockade which is highlighted through GSEA that evidence a strong enrichment - in anti-PD1 / anti-PDL1 treated groups - in genes associated to the modulation of several GPCRs - some of them being specific to PD1 or PDL1 blockade and thus suggesting differential mechanisms of action of both antibodies. Interestingly, several GPCRs currently investigated as novel targets, several other GPCRs are also depicted and warrant further investigation to delineate their exact participation in resistance / sensitivity to approved cancer immunotherapies.

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CONCLUSIONS & PERSPECTIVES









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