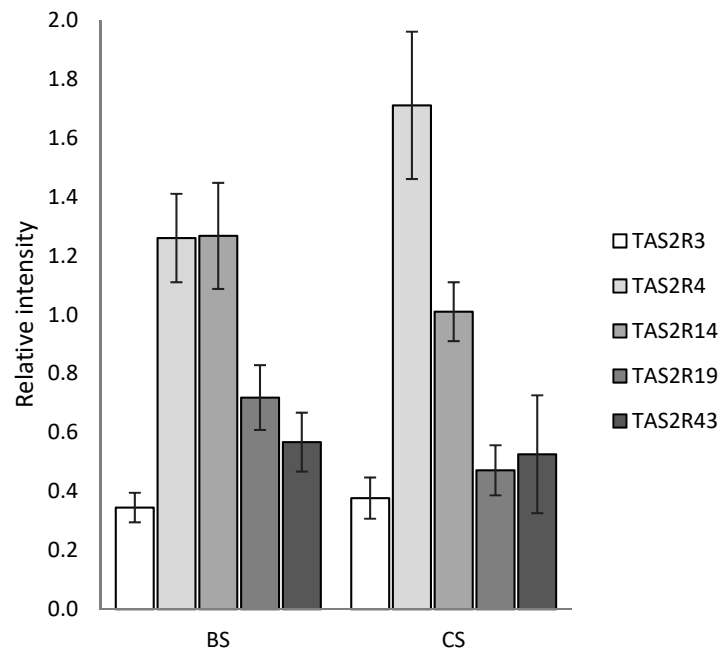
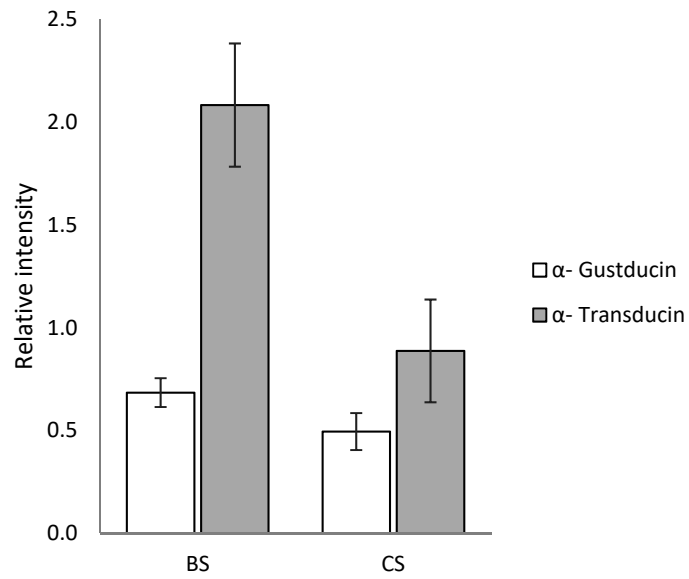


**Supplementary Table S1.** List of antibodies used in this study.

Antigen	RRID	Donor species	Dilution	
			IF	WB
<i>Primary antibodies</i>				
GAPDH	AB_10611262	Goat	/	1:500
$\alpha$ -gustducin	AB_673678	Rabbit	1:100	1:500
$\alpha$ -transducin	AB_2279097	Rabbit	1:100	1:500
TAS2R3	AB_2556263	Rabbit	1:100	1:500
TAS2R4	AB_1049824	Goat	1:100	1:500
TAS2R14	AB_11009211	Rabbit	1:100	1:500
TAS2R19	AB_962285	Rabbit	1:300	1:1000
TAS2R43	AB_2201092	Rabbit	1:300	1:1000
<i>Secondary antibodies</i>				
Anti-Rabbit-IgG FITC	AB_259430	Rabbit	1:500	1:100
Anti-Goat-IgG HRP	AB_92411	Rabbit	/	1:7500
Anti-Rabbit-IgG HRP	AB_11212848	Goat	/	1:2000



**Supplementary Figure S1.** Computer-assisted semi-quantitative analysis of the overall relative intensity of the bands from western blot of TAS2R3, TAS2R4, TAS2R14, TAS2R19 and TAS2R43 in extracts of human sperm before (BS) and after *in vitro* capacitation (CS). The intensity was measured (pixel/mm<sup>2</sup>) and then normalized relative to GAPDH. Values are expressed as mean  $\pm$  SD.



**Supplementary Figure S2.** Computer-assisted semi-quantitative analysis of the overall relative intensity of the bands from western blot of  $\alpha$ -Gustducin and  $\alpha$ -Transducin in extracts of human sperm before (BS) and after *in vitro* capacitation (CS). The intensity was measured (pixel/mm<sup>2</sup>) and then normalized relative to GAPDH. Values are expressed as mean  $\pm$  SD.