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Treatments	TNF-α (pg/mL)	IL-1β (pg/mL)	TGF-β1 (pg/mL)
CNT	50.24±0.55ª	27.31±0.65ª	47.49±0.80ª
HSD	68.74±0.87 ^b	36.92±0.62 ^b	35.01±0.81 ^b
HSDG	52.61±0.63ª	29.33±0.77ª	44.83±0.67ª

Supplementary Table 1. Cytokines contents in the plasma of turbot.

Note: Values are displayed as means \pm standard error, n = 6; Different superscripted

small letters in the same column mean significant difference (P < 0.05).