

Gene	Primers	Product size
IGF NC_006088.5	F5' CATTGCGCAGGCTCTATCTG 3' R 5' CGAACTTCCCGAAGAGAACT3'	813bp
TGFβ2 NC_006090.4	F 5' GTGCCTCACCGCTATTTCTG 3' R 5' GAAGAGGAGGCTCAGGAGA 3'	188bp

**Table 1.** Primers for IGF-1 and TGFβ2 used in this study .

Trait	Strain			ANOVA
	(GM)	(SI)	(LB)	
BW0	38.13±0.29 <sup>A</sup>	35.73±0.17 <sup>C</sup>	36.64±0.16 <sup>B</sup>	**
BW2	131.97±1.54 <sup>A</sup>	115.23±0.84 <sup>C</sup>	123.16±0.84 <sup>B</sup>	**
BW4	246.77±4.59 <sup>A</sup>	218.04±2.14 <sup>B</sup>	203.26±2.32 <sup>C</sup>	**
BW8	656.50±13.70 <sup>A</sup>	568.1±6.82 <sup>B</sup>	505.14±6.59 <sup>C</sup>	**
BW12	972.68±22.23 <sup>A</sup>	852.80±8.19 <sup>B</sup>	757.18±7.76 <sup>C</sup>	**

**Table (2):** Least square means ( $X$ ) ± standard error (SE) for body weight at different age in three strains Lohman brown (LB) ,Gimmizah ( GM) and Sinai (SI).Means having different letters in each effect are differ significantly ( $P \leq 0.05$ ).A, B between strain \*\*Significantly at  $P \leq 0.01$ .

Trait	Strain			ANOVA
	(GM)	(SI)	(LB)	
BWG0-2	93.84±1.50 <sup>A</sup>	79.49±0.84 <sup>C</sup>	86.51±0.82 <sup>B</sup>	**
BWG2-4	114.80±4.38 <sup>A</sup>	102.81±1.54 <sup>B</sup>	80.10±2.18 <sup>C</sup>	**
BWG4-8	409.72±9.78 <sup>A</sup>	350.86±6.17 <sup>B</sup>	301.87±6.39 <sup>C</sup>	**
BWG8-12	316.18±15.52 <sup>A</sup>	283.89±5.09 <sup>B</sup>	252.03±5.46 <sup>C</sup>	**
BWG0-12	934.55±21.98 <sup>A</sup>	817.07±8.11 <sup>B</sup>	720.54±7.72 <sup>C</sup>	**

**Table (3):** Least square means ( $X$ ) ± standard error (SE) for body weight gain at different age in three strains Lohman brown (LB) ,Gimmizah ( GM) and Sinai (SI).Means having different letters in each effect are differ significantly ( $P \leq 0.05$ ).A, B between strain \*\*Significantly at  $P \leq 0.01$ .