TABLE E-1 Specific Primers Sequence

Gene	Annealing Temperature	Application of Primer	Forward and Reverse Primers (5′→ 3′)
Alkaline phosphatase	50.0°C	Forward	ACG TGG CTA AGA ATG TCA
	51.0°C	Reverse	CTG GTA GGC GAT GTC CTT A
Macrophage colony-stimulating factor	50.0°C	Forward	CTG ACC AGC TCA GAG AGA
	44.0°C	Reverse	CTC ATC AAT GTG CAG GA
Osterix/Sp7-s	55.0°C	Forward	CAG GTT CCC CCA GGA GGA
	58.0°C	Reverse	AGT CCC GCA GAG GGC TAG AG
Osterix/Sp7-l	56.0°C	Forward	TCC TCC CTG CTT GAG GAG GA
	58.0°C	Reverse	AGT CCC GCA GAG GGC TAG AG

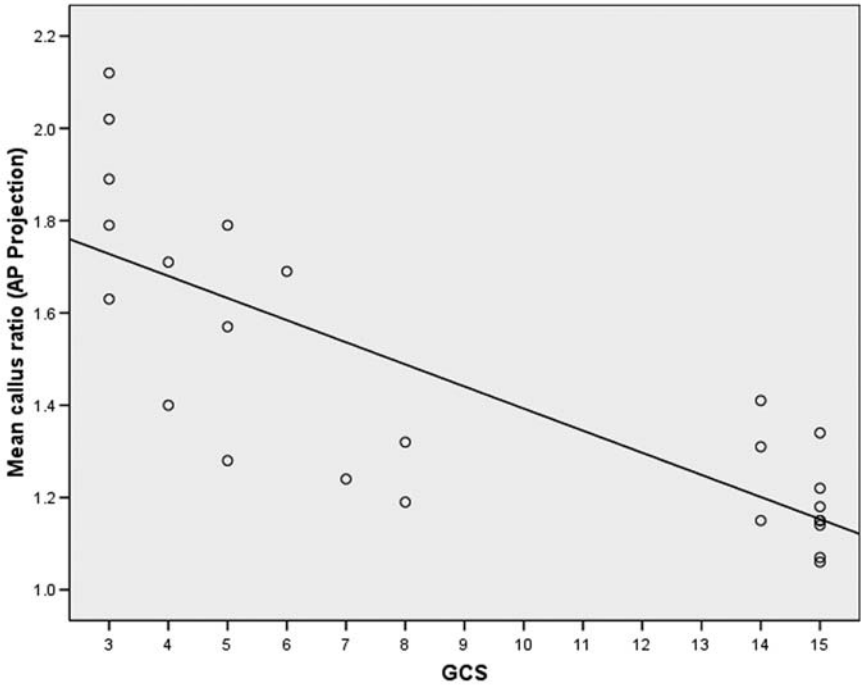

Fig. E-1A

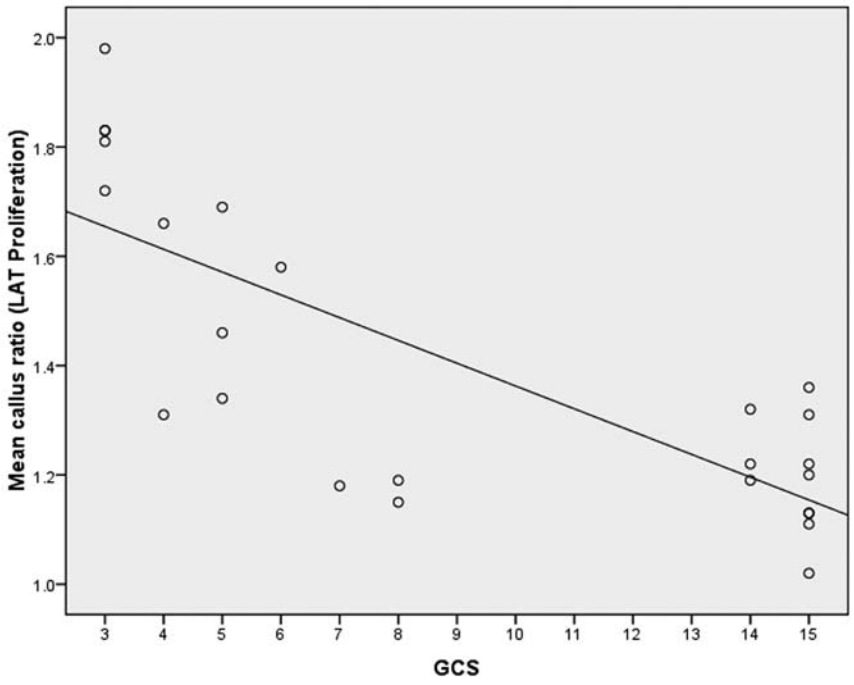

Fig. E-1B
Correlation between the Glasgow Coma Scale score (GCS) and the mean callus ratio of the maximal callus to diaphysis diameter adjacent to the fracture site on anteroposterior (Fig. E-1A) radiographs ($r = -0.55$, $p < 0.05$) and lateral (Fig. E-1B) radiographs ($r = -0.58$, $p < 0.05$). AP = anteroposterior, and LAT = lateral.

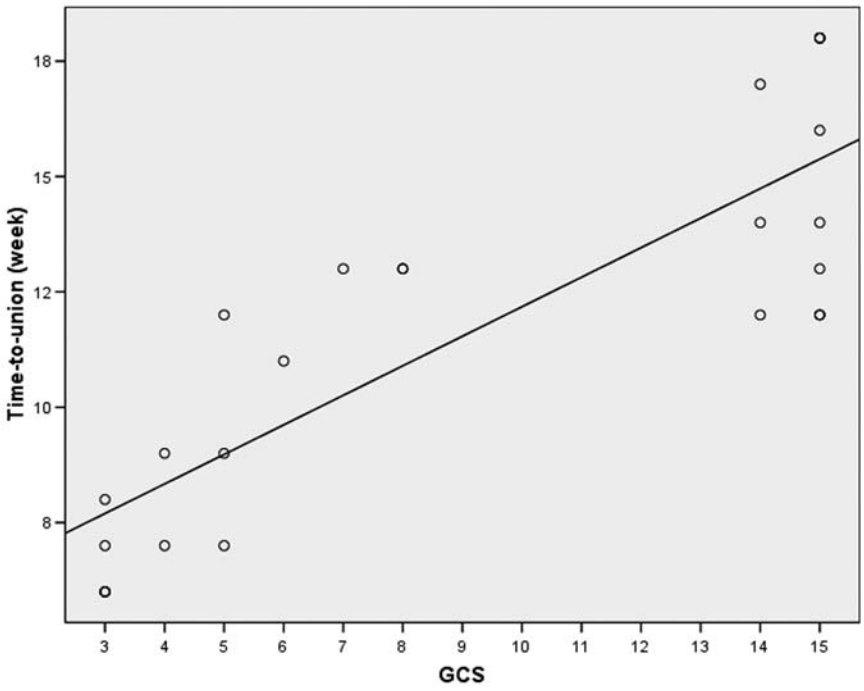

Fig. E-2

Correlation between Glasgow Coma Scale score (GCS) and time to union of the femoral fracture (r = 0.67, p = 0.04).

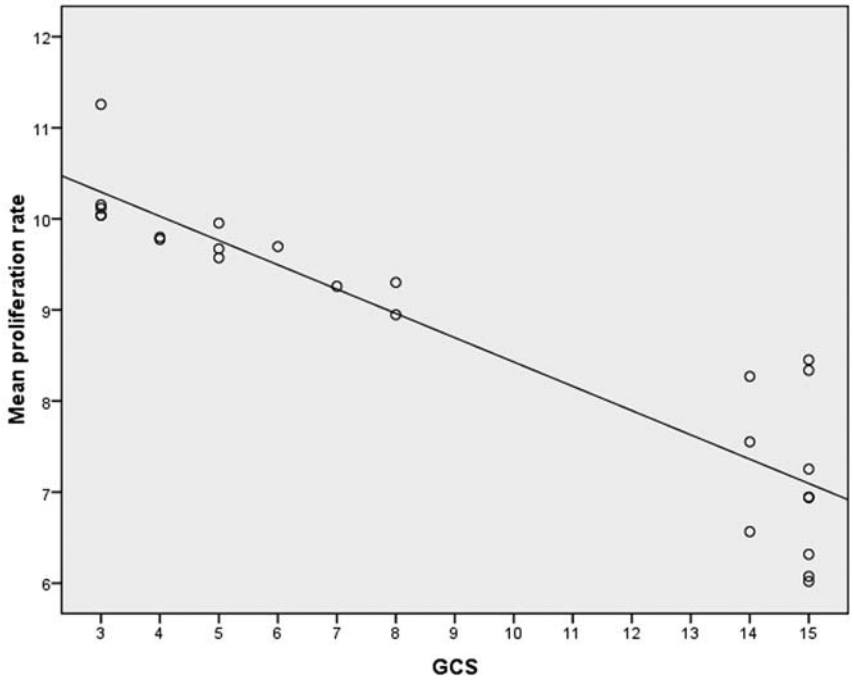

Fig. E-3

Correlation between Glasgow Coma Scale score (GCS) and mean proliferation rates of hFOB cells at six hours after injury (r = –0.76, p = 0.03).