

Table S1. FD patient plasma donor demographics

Characteristics (N=57)	N (%) or Mean (range)
Females	32 (56%)
Age at blood draw (years)	22 (4-58)
Skeletal burden score	35.46 (0.5-75)
MAS features	
Skin hyperpigmentation	42 (74%)
Precocious puberty	26 (46%)
Growth hormone excess	23 (40%)
Hyperthyroidism	20 (35%)
Hypophosphatemia	23 (40%)
Cushing syndrome	4 (7%)

Table S2. BMSC donor demographics

Characteristics	FD patients N (%) or Mean (range)	Healthy volunteers N (%) or Mean (range)
Females	3 (50%)	1 (16.66%)
Age at sample donation (years)	13.33 (3-32)	27.66 (22-36)
Culture heterozygosity (% GNAS p.R201C/H mRNA)	17.16% (7-55%)	N/A
Sample source location		
Iliac crest		6 (100%)
Femur	6 (100%)	