

Supplementary Table S1: Comparison of the AGAL activities measured in this paper and those available in Benjamin et al. 2017.

	This paper nmol/(h mg) \pm SD	Table 1S, Benjamin et al nmol/(h mg) \pm SEM	Seeman et al 2020 nmol/(h mg) \pm SD
	Stable transfections in patient-derived fibroblasts not expressing <i>GLA</i>	Transient transfections in HEK-293 cells	Patient-derived fibroblasts
Empty vector	0.35 \pm 0.02	-	-
wt	5.20 \pm 0.01	-	58.5 \pm 31.1
D244H	0.65 \pm 0.04	6129 \pm 366	-
Q280K	0.34 \pm 0.03	8019 \pm 395	-
V269M	0.39 \pm 0.02	1213 \pm 40	-
L300F	0.70 \pm 0.07	4746 \pm 363	-
C56Y	0.47 \pm 0.02	BLD *	-
E341D	0.34 \pm 0.05	BLD *	-
A230T	0.60 \pm 0.02	BLD *	-

AGAL activities expressed as nmol/(h mg) from the independent experiments reported in this paper were averaged and compared to those reported in Benjamin et al. The results highlight that our cell lines do not overexpress AGAL. * BLD: Below the limit of detection