

sample	(a) G34W positive (and SD)	(a) G34W negative (and SD)	(a) Giant cells (and SD)	(b) G34W positive (and SD)	(b) G34W negative (and SD)	(b) Giant cells (and SD)
1	646 (308,494)	355,333 (6,236)	16,667 (2,625)	771,333 (194,450)	335,667 (50,625)	0 (0)
2	425,67 (63,751)	450,333 (12,392)	10,667 (9,463)	0 (0)	5 (0)	0 (0)
3	829,333 (137,856)	284 (35,280)	35,333 (5,249)	195 (17,664)	159,667 (27,133)	0 (0)
4	382 (65,212)	432 (53,047)	9,667 (6,018)	301,333 (9,393)	234,667 (19,345)	0 (0)
5	800 (43,274)	366,667 (70,675)	38 (5,888)	657 (151,422)	496,333 (102,931)	0 (0)
6	397,333 (48,348)	428 (173,415)	7 (1,633)	592,667 (107,413)	245 (6,164)	6 (3,266)
7	676,333 (178,390)	456,333 (31,202)	24,667 (5,437)	260,667 (38,309)	227,667 (56,216)	0 (0)
8	617,333 (88,262)	560,667 (89,444)	14,667 (7,409)	158 (55,118)	132 (44,594)	0 (0)
9	789 (148,259)	589,667 (97,845)	8,667 (2,625)	299,333 (7,134)	781 (34,029)	0 (0)
10	518 (47,840)	258 (34,029)	21,333 (2,867)	610,667 (221,662)	448,333 (183,129)	5,667 (4,497)
11	707,667 (81,557)	842 (321,077)	11,667 (4,497)	395 (62,032)	487,667 (119,895)	0 (0)
12	884,667 (46,313)	608,333 (107,335)	29 (10,708)	169,333 (59,174)	145,333 (34,836)	0 (0)
13	832,667 (147,823)	270 (108,971)	26,667 (4,497)	794,667 (274,397)	308,667 (104,538)	0 (0)
14	970,667 (254,998)	639,667 (105,085)	21,333 (6,236)	524,333 (242,097)	1177,333 (292,968)	0 (0)
15	1079,667 (146,573)	621,333 (41,315)	21,667 (7,930)	752,333 (49,701)	247 (125,092)	0 (0)
16	1191,667 (193,994)	342,667 (30,685)	17 (3,742)	252 (62,838)	528,667 (163,524)	0 (0)
17	908,333 (104,155)	427 (106,696)	17 (4,967)	525,333 (355,530)	954,667 (491,428)	0 (0)
18	816 (48,049)	645 (109,023)	16,667 (2,494)	746,333 (47,787)	350 (73,162)	0 (0)
19	679,667 (12,710)	654,000 (109,264)	16 (4)	0,333 (0,471)	175,667 (78,597)	0 (0)
20	1171 (198,345)	530,333 (73,830)	20,333 (1,700)	771,333 (85,811)	352,667 (50,992)	0 (0)
21	718,333 (99,737)	489,667 (25,591)	14,667 (9,672)	208 (16,062)	313 (65,054)	0 (0)
22	401,333 (98,908)	400,333 (94,295)	22,333 (7,134)	729,333 (65,505)	801 (98,968)	0 (0)
23	471 (59,403)	462,333 (47,863)	7,333 (4,714)	121,667 (47,752)	122,667 (51,648)	0 (0)

Supplement Table S1: Mean of G34W stained cells, G34W negative stained cells and giant cells counted in three representative microscopic fields. Standard deviation (SD) in brackets. (a) Columns 2-4 showing the data in the samples before denosumab therapy. (b) Columns 5-7 after denosumab therapy.