

Fig2B

	Control	OB_1d	OB_3d	OB_7d	OB_14d
rep1	0.9962	0.8409	0.9825	1.143	2.68
rep2	1.052	0.9465	1.028	1.448	2.508
rep3	0.9546	0.701	0.9166	1.434	2.335

Fig2E-1

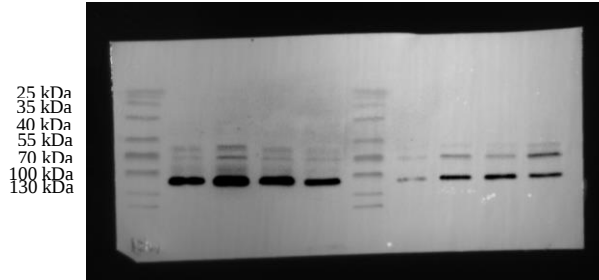
	Control	OB_1d	OB_3d	OB_6d
rep1	10.94102	13.842	8.235567	8.267861
rep2	7.976935	13.48769	9.712529	11.46946
rep3	8.219659	16.60927	7.859793	9.25111

Fig2E-2

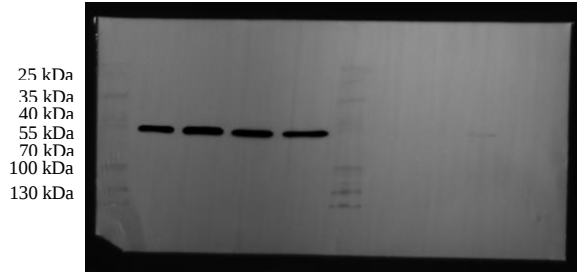
	Control	OB_1d	OB_3d	OB_6d
rep1	0.081807	0.125214	0.150003	0.282304
rep2	0.088498	0.125058	0.116231	0.283624
rep3	0.073223	0.158085	0.230779	0.295723

Fig2C

Niban2



Tuba1



Lnma/c

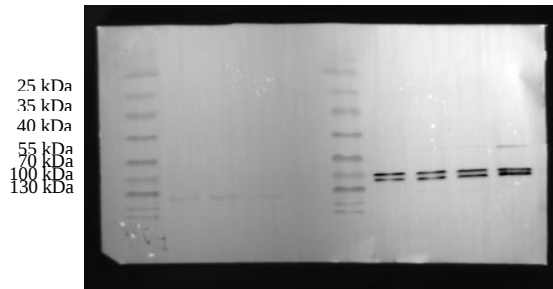


Fig3B

Genotype	Number	Tissue volume	Bone volume	Percent bone volume	Tissue surface	Bone surface	Intersection surface	Bone surface / volume ratio	Bone surface density	Trabecular thickness	Trabecular separation	Trabecular number
		TV U^3	BV U^3	BV/TV %	TS U^2	BS U^2	i.S U^2	BS/BV 1/U	BS/TV 1/U	Tb.Th U	Tb.Sp U	Tb.N 1/U
Cre-f/f	1C27	1.48036	0.08194	5.53527	8.84727	7.061	1.8368	86.17102	4.7698	0.05016	0.54269	1.1035
Cre-f/f	1C29	1.72245	0.07025	4.07832	9.72718	6.25263	1.6356	89.00916	3.63008	0.0488	0.64128	0.83575
Cre-f/f	1C30	1.58954	0.07432	4.67553	13.48158	8.02435	2.75048	107.9715	5.04824	0.04327	0.48706	1.08051
Cre-f/f	1C35	1.79577	0.11342	6.31613	9.89126	8.85318	2.07369	78.05424	4.93001	0.05583	0.67579	1.1313
Cre-f/f	1C39	1.89483	0.10785	5.69179	12.17616	10.10994	3.43305	93.74072	5.33552	0.04853	0.53403	1.17292
Cre-f/f	1C43	2.01534	0.09392	4.66017	11.70099	8.88352	2.70832	94.58758	4.40794	0.04728	0.74077	0.98556
Cre-f/f	1C44	1.86224	0.0543	2.9161	10.12789	5.31335	1.33216	97.84341	2.85321	0.04439	0.71623	0.65697
Cre-f/f	1C45	1.97122	0.0901	4.57058	13.73715	8.21993	1.65413	91.23512	4.16997	0.04757	0.54515	0.96091
f/f	1C26	1.91936	0.13297	6.92804	10.79431	12.2776	2.5071	92.33065	6.3967	0.04621	0.59437	1.49928
f/f	1C28	0.65268	0.08345	12.78606	7.28831	7.84146	2.81578	93.96366	12.01425	0.04873	0.25983	2.62396
f/f	1C31	1.90926	0.1237	6.47903	10.82368	10.7424	2.39793	86.84135	5.62648	0.04877	0.52504	1.32855
f/f	1C36	2.34504	0.22923	9.77515	12.6431	14.40594	5.16998	62.84447	6.14314	0.06265	0.53861	1.56016
f/f	1C40	2.50439	0.32714	13.06253	13.37676	20.05631	5.52768	61.30856	8.00845	0.06777	0.40847	1.92739
f/f	1C41	0.59384	0.08855	14.91136	7.30147	6.9112	1.44535	78.04827	11.63806	0.05439	0.18619	2.74147

Fig3G

Col1a1	f/f	Cre-f/f
rep1	1.038586	0.768653
rep2	0.903645	0.766021
rep3	1.057769	0.757583

Fig3I

Newton	f/f	Cre-f/f
rep1	27.58	17.06
rep2	26.07	7.82
rep3	20.42	7.98
rep4	27.6	15.4
rep5	28.8	8.97

Spp1	f/f	Cre-f/f
rep1	0.930132	0.763673
rep2	1.115508	0.610982
rep3	0.95436	0.797859

Fig3K

μm	f/f	Cre-f/f
rep1	1.425991	0.577201
rep2	1.172439	0.473463
rep3	0.992719	0.928538

Alpl	f/f	Cre-f/f
rep1	1.360522	0.44762
rep2	0.824104	0.398718
rep3	0.815374	0.627034

Fig4A

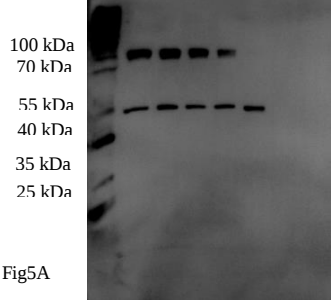


Fig4C

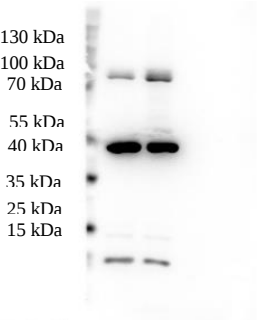
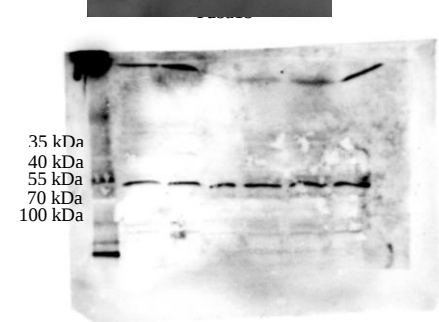


Fig5A



Runx2

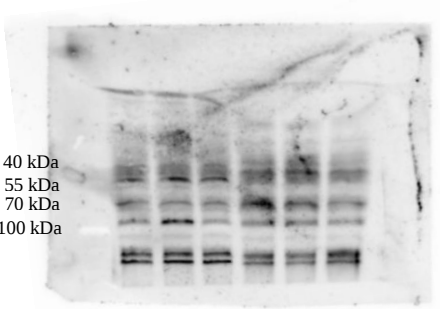


Fig5B

AS event	SE	A5SS	A3SS	MXE	RI
HigherInclusion in fl/fl	287	20	30	8	65
HigherInclusion in Cre-fl/fl	324	51	59	15	423

Fig5G

Runx2 exon 6 relative inclusive level	f/f	Cre-f/f
rep1	1.54685	1.158828
rep2	1.979771	1.286692
rep3	1.695056	1.373319

Fig5F

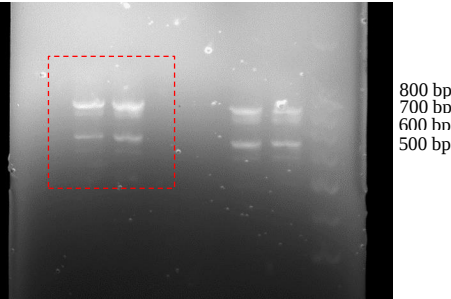
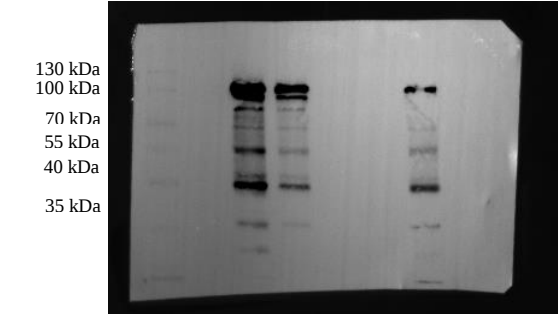
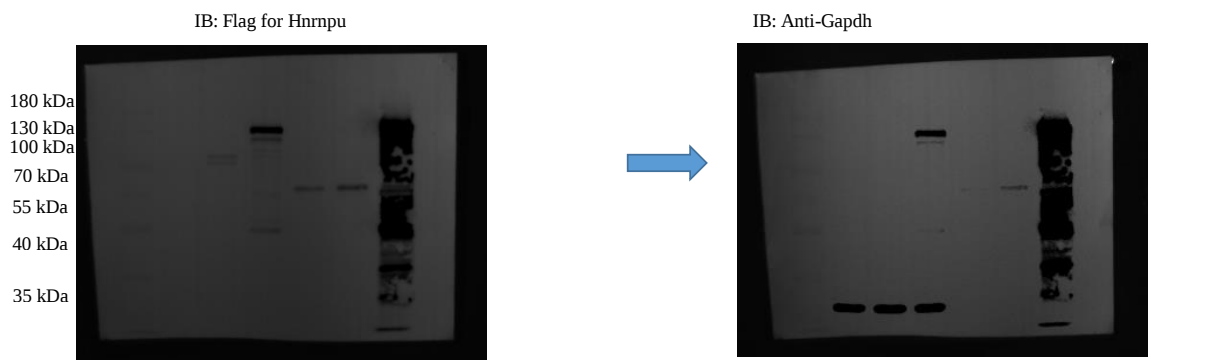


Fig6G

IP: Flag

IB: HA for Niban2





IP: HA IB: HA for Niban2

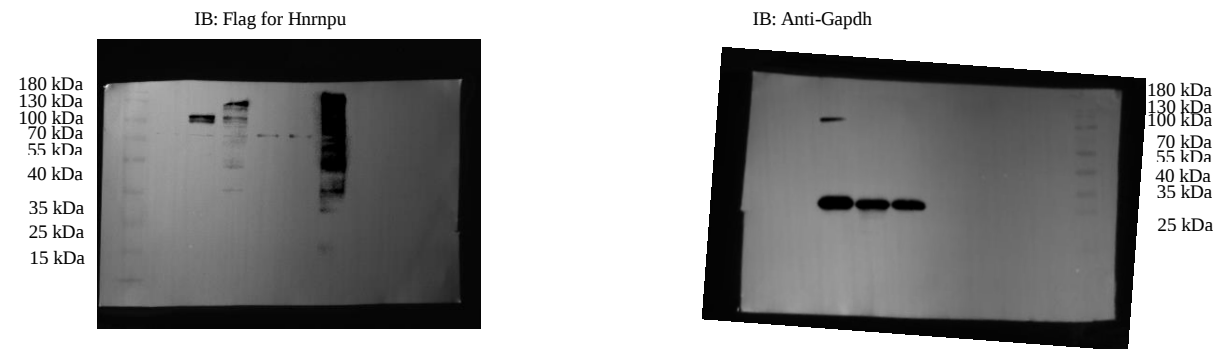
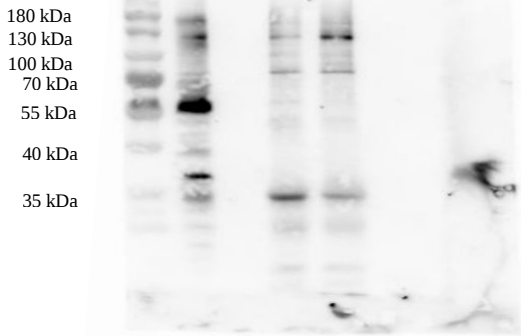


Fig6F
Niban2



Hnrnpu

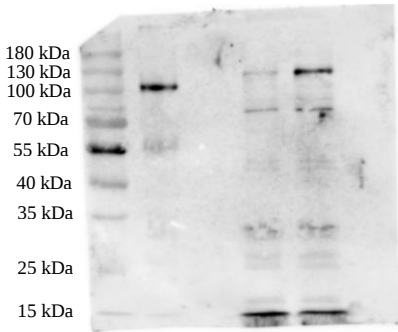
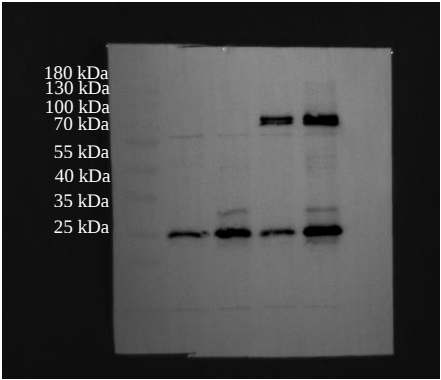


Fig7B

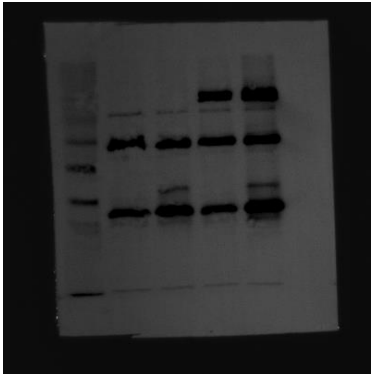
Group:				
Reporter mini	+	+	+	+
CMV-Flag- <i>Hnrnpu</i>	-	+	-	+
CMV-HA- <i>Niban2</i>	-	-	+	+
rep1	0.999392	40.15254	0.661437	70.93949
rep2	1.068766	23.14763	0.874182	94.11579
rep3	0.93562	14.30637	0.663118	92.64611

Fig7C

IB:HA for Niban2 and Runx2 mini isoforms



IB:anti-Tuba1



IB:Flag for Hnrnpu

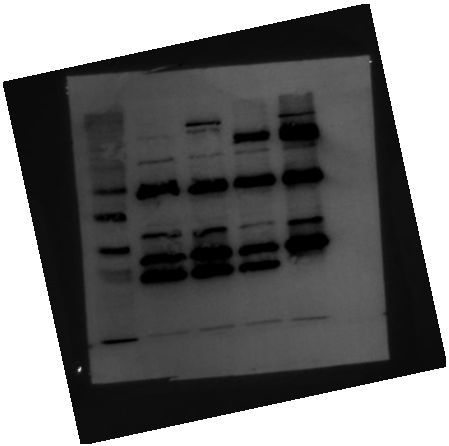


Fig7E

RIP-qPCR for *Runx2* exon 6

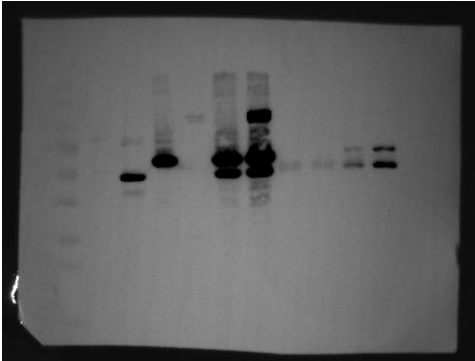
Group:			
IP with IgG	+	-	-
IP with anti-Flag	-	+	+
CMV-Flag- <i>Hnrnpu</i>	+	+	+
CMV-HA- <i>Niban2</i>	-	-	+
rep1	0.799591	25.2784	2.419709
rep2	0.809068	20.27786	2.317924
rep3	1.545778	34.50739	3.221725

RIP-qPCR for *Runx2* exon 6

Group:			
IP with IgG	+	-	-
IP with anti-Flag	-	+	+
CMV-Flag- <i>Hnrnpu</i>	+	+	+
CMV-HA- <i>Niban2</i>	-	-	+
rep1	0.492547	0.745183	0.895853
rep2	1.889931	0.963707	0.970859
rep3	1.074253	0.327977	0.41851

Fig7G

IB:HA for Niban2, RbmX, and Ddx39b



IB:HA for Niban2 and Ddx5

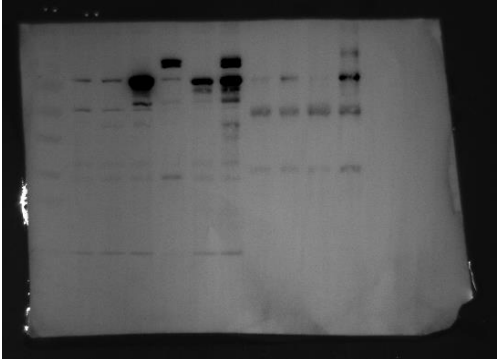


Fig8A to D

No	Gender	Age	Status	T-score	Relative Niban2 expression	Relative inclusive level
	3002 female	65	Osteoporosis	-2.9	42.95515	29.02151
	4004 female	68	Osteoporosis	-5	1.596893	4.120355
	3005 female	70	Osteoporosis	-4.9	1	1
	3006 female	58	Control	-0.7	62.27144	40.54207
	4008 male	64	Osteoporosis	-3.7	3.941942	2.294182
	4010 male	69	Osteoporosis	-4.1	13.83411	5.841682
	3011 female	62	Osteoporosis	-2.6	33.27877	22.11979
	4013 male	66	Osteoporosis	-4.8	3.30338	1.389074
	3014 female	62	Control	-0.8	69.16438	88.49897
	4015 female	68	Osteoporosis	-4.1	7.966368	4.376058
	3016 female	64	Osteoporosis	-2.8	49.45778	29.19628
	3017 female	64	Osteoporosis	-3.7	18.73746	25.51277
	4018 male	70	Osteoporosis	-4	10.50653	6.931373
	4019 male	63	Osteoporosis	-3.2	23.16649	6.609659
	4020 female	68	Osteoporosis	-4.1	14.54237	16.03503
	3021 female	57	Osteoporosis	-3.1	31.33107	19.21299
	3023 female	65	Osteoporosis	-4.2	5.586275	5.318176
	4024 male	57	Control	-0.5	85.49588	52.13116
	4025 male	67	Osteoporosis	-4.2	9.411903	4.404546
	3031 male	67	Control	-0.9	33.4564	11.11914
	4032 female	69	Osteoporosis	-3.8	14.52645	4.136691
	3035 female	58	Control	-0.5	97.36423	194.2846
	3036 male	68	Osteoporosis	-3.5	23.67946	18.61533
	4037 male	60	Osteoporosis	-4.2	12.35039	5.173127
	4038 female	68	Osteoporosis	-4.4	5.482737	2.738345
	4045 female	63	Osteoporosis	-4.5	17.71045	5.015559
	3046 male	69	Osteoporosis	-3.2	20.24094	14.36607
	4047 male	62	Osteoporosis	-3.6	26.55737	18.80921

Fig8F

	Tissue volume	Bone volume	Percent bone volume	Tissue surface	Bone surface	Intersectio n surface	Bone surface / volume ratio BS/BV	Bone surface density	Trabecula r thickness	Trabecula r separation	Trabecula r number
	TV U^3	BV U^3	BV/TV %	TS U^2	BS U^2	i.S U^2	BS/BV 1/U	BS/TV 1/U	Tb.Th U	Tb.Sp U	Tb.N 1/U
Mice1-CMV- <i>Niban2</i>	4.85768	1.27701	26.28843	24.2235	44.35499	8.3985	34.73352	9.1309	0.11507	0.29796	2.28451
Mice2-CMV- <i>Niban2</i>	6.9839	0.80386	11.51023	31.42916	35.99638	5.30522	44.77924	5.15419	0.11422	0.34169	1.00774
Mice3-CMV- <i>Niban2</i>	3.87392	0.44776	11.55824	19.7935	21.50116	2.94722	48.01969	5.55023	0.094	0.31971	1.22959
Mice4-CMV- <i>Niban2</i>	4.73474	0.73241	15.4689	22.84498	30.69409	5.11228	41.90822	6.48274	0.10392	0.33335	1.48861
Mice5-CMV- <i>Niban2</i>	2.21641	0.72819	32.85461	12.4168	25.57791	4.45208	35.12514	11.54023	0.11527	0.22414	2.85023
Mice6-CMV- <i>Niban2</i>	3.24528	0.53705	16.5488	21.36757	23.58421	6.08729	43.91399	7.26724	0.10383	0.30809	1.5939
Mice7-CMV- <i>Niban2</i>	4.99424	0.38562	7.72121	24.96921	21.75303	4.06355	56.41116	4.35563	0.07975	0.4514	0.96816
Mice8-CMV- <i>Niban2</i>	5.20205	1.19549	22.98111	26.94003	45.18459	9.74019	37.79587	8.68591	0.11745	0.28867	1.95666
Mice1-CMV- <i>GFP</i>	4.53112	0.55727	12.2987	21.15823	26.00147	3.59601	46.65875	5.73842	0.09357	0.34788	1.31434
Mice2-CMV- <i>GFP</i>	4.47556	0.23746	5.30581	20.76228	15.68622	2.19661	66.05699	3.50486	0.06965	0.36808	0.76177
Mice3-CMV- <i>GFP</i>	4.60755	0.28046	6.08695	20.89701	17.16158	2.66631	61.19104	3.72467	0.07472	0.36526	0.81464
Mice4-CMV- <i>GFP</i>	5.36573	0.47337	8.82215	24.24144	20.55925	3.62005	43.43145	3.83159	0.11248	0.40698	0.78431
Mice5-CMV- <i>GFP</i>	5.1143	0.70321	13.74996	23.90572	32.39872	5.4375	46.07233	6.33492	0.10088	0.3383	1.36295
Mice6-CMV- <i>GFP</i>	4.03501	0.16587	4.11088	19.50851	11.05501	2.09063	66.647	2.73978	0.08359	0.38347	0.4918
Mice7-CMV- <i>GFP</i>	4.30056	0.13513	3.14222	20.03823	10.81591	1.71546	80.03899	2.515	0.06065	0.36966	0.51807
Mice8-CMV- <i>GFP</i>	4.80305	0.58442	12.16766	23.30498	26.67555	4.22032	45.64453	5.55387	0.10301	0.34725	1.18118

FigS1

Fam234a

	Control	OB_1d	OB_3d	OB_7d	OB_14d
rep1	1.003	0.9687	2.057	4.559	2.908
rep2	0.9982	1.078	1.903	5.602	2.387
rep3	0.9984	0.8833	1.612	5.196	3.046

Zfhx3

	Control	OB_1d	OB_3d	OB_7d	OB_14d
rep1	1.02	1.056	1.642	5.233	4.041
rep2	1.009	1.148	1.667	4.659	4.647
rep3	0.9723	1.095	1.443	4.264	4.349

FigS2B

Weight (g)	f/f	Cre-f/f	Body length cm	f/f	Cre-f/f
	6.79	6.02		5.85	5.3
	5.75	5.31		5.35	5.3
	7.11	6.58		5.2	5.5
	7.35	6.38		5.9	5.6
	7.02	6.76		5.55	5.1
		7.02			5.4
		5			5.1

FigS2D

Genotype	Number	Tissue volume	Bone volume	Percent bone volume	Tissue surface	Bone surface	Intersection surface	Bone surface / volume ratio	Bone surface density	Trabecular thickness	Trabecular separation	Trabecular number
		TV U ³	BV U ³	BV/TV %	TS U ²	BS U ²	i.S U ²	BS/BV 1/U	BS/TV 1/U	Tb.Th U	Tb.Sp U	Tb.N 1/U
Cre-f/f	2C75	6.45724	0.58437	9.04979	25.48635	39.43818	3.92782	67.48882	6.10759	0.05986	0.31521	1.51189
Cre-f/f	2C76	5.97049	0.55992	9.37817	24.43693	36.81162	3.63422	65.74412	6.16559	0.06161	0.30999	1.52226
Cre-f/f	2C77	6.21974	0.60667	9.75398	24.97524	32.59959	4.02761	53.73508	5.24131	0.07621	0.37392	1.27992
Cre-f/f	2C78	6.42753	0.68368	10.63668	24.76146	35.33387	5.00333	51.68219	5.49727	0.08097	0.37288	1.31367
Cre-f/f	2C79	7.26714	0.56338	7.7525	27.49771	31.43344	4.10838	55.79394	4.32542	0.07407	0.57521	1.0466
f/f	2C70	5.57855	0.63635	11.40707	23.60907	38.19403	4.24385	60.02052	6.84658	0.06669	0.31926	1.71047
f/f	2C71	6.5982	1.16892	17.7158	25.97772	52.57725	6.32488	44.97917	7.96842	0.08654	0.32568	2.0471
f/f	2C73	7.1158	0.93286	13.1097	27.09871	45.87094	5.45633	49.17233	6.44635	0.08086	0.38469	1.62134
f/f	2C73	5.50124	0.79297	14.41442	23.09922	45.86113	5.55001	57.83451	8.33651	0.06827	0.28297	2.11151
f/f	2C74	6.55626	1.15136	17.56127	26.21493	55.91896	6.53731	48.56763	8.52909	0.07725	0.31523	2.27339
f/f	2C68	7.11172	0.8445	11.87475	27.97749	45.50118	4.75069	53.87952	6.39806	0.07529	0.34526	1.5771

FigS3A

ALP	f/f	Cre-f/f
rep1	1.004274	0.887269
rep2	0.949276	0.659439
rep3	1.04645	0.792482

ARS	f/f	Cre-f/f
rep1	0.87656	0.104114
rep2	0.99684	0.227869
rep3	1.1266	0.241949

Von Kossa	f/f	Cre-f/f
rep1	0.889714	0.402474
rep2	1.0113	0.220423
rep3	1.098986	0.330849

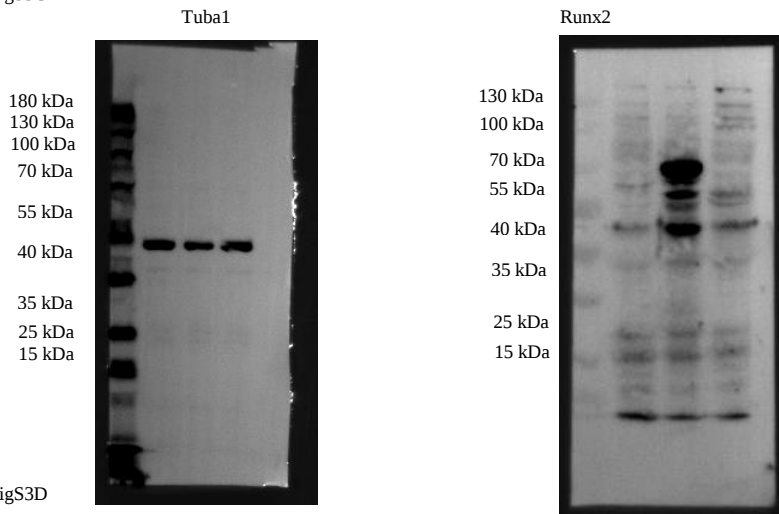
Fig3B

ALP	RV-NC	RV-Niban2
rep1	1.300446	3.371598
rep2	1.250253	2.422579
rep3	0.449301	2.602151

ARS	RV-NC	RV-Niban2
rep1	0.558352	2.714523
rep2	1.564455	2.697675
rep3	0.877194	2.592776

Von Kossa	RV-NC	RV-Niban2
rep1	0.968333	1.380655
rep2	0.98962	1.44928
rep3	1.042048	1.247909

FigS3C



FigS3D

ALP	RV-NC	RV-Runx2	RV-Runx2Δ6
rep1	0.752656	2.014516	0.08751946
rep2	1.123672	1.414368	0.05092718
rep3	1.123672	1.258494	0.09209705

ARS	RV-NC	RV-Runx2	RV-Runx2Δ6
rep1	0.895439	4.216215	0.435441
rep2	1.297723	4.056371	0.845394
rep3	0.806838	3.306385	0.323851

Von Kossa	RV-NC	RV-Runx2	RV-Runx2Δ6
rep1	1.10613	1.637246	0.019268
rep2	0.803345	1.799864	0.008634
rep3	1.090525	1.691569	0.018017

FigS3E

Runx2 exon 6 relative inclusive level				
	f/f+	Cre-f/f+	f/f+	Cre-f/f+
	Scramble	Scramble	siRunx2Δ6	siRunx2Δ1
rep1	0.5059266	0.329877	0.52728931	0.6093459
rep2	0.4086677	0.412081	0.50862232	0.5145322
rep3	0.4389109	0.3494117	0.53502072	0.6097684

FigS3F

ALP	f/f+	Cre-f/f+	f/f+	Cre-f/f+
	Scramble	Scramble	siRunx2Δ6	siRunx2Δ1
rep1	1.226589	0.273427	1.267459	0.401865
rep2	0.650093	0.322568	1.441016	0.325036
rep3	1.123318	0.294461	1.207406	0.47595

ARS	f/f+	Cre-f/f+	f/f+	Cre-f/f+
	Scramble	Scramble	siRunx2Δ6	siRunx2Δ1
rep1	0.75903	0.191075	2.743961	0.372657
rep2	1.28293	0.118144	2.621587	0.293072
rep3	0.95804	0.143214	2.162692	0.288057

Von Kossa	f/f+	Cre-f/f+	f/f+	Cre-f/f+
	Scramble	Scramble	siRunx2Δ1	siRunx2Δ1
rep1	1.031556	0.715253	1.156664	0.883686
rep2	0.94212	0.754039	1.355752	0.959228
rep3	1.026324	0.797201	1.285693	1.087508

FigS4A

<i>Hnrnpu</i>		
	Scramble	si <i>Hnrnpu</i>
rep1	0.898132	0.263888
rep2	0.742776	0.352086
rep3	1.499	0.245365

FigS4B

ALP	RV-NC+ Scramble	RV- <i>Niban2</i> +	RV-NC+ si <i>Hnrnpu</i>	RV- <i>Niban2</i> +
rep1	1.056805	4.408338	1.835484	4.76652
rep2	1.40201	4.681966	2.729603	3.957074
rep3	0.541185	3.249419	1.688024	3.304014

ARS	RV-NC+ Scramble	RV- <i>Niban2</i> +	RV-NC+ si <i>Hnrnpu</i>	RV- <i>Niban2</i> +
	0.980339	1.653422	0.51575292	0.430188
	0.929703	1.424867	0.58978755	0.696097
	1.089958	1.551699	0.69344463	0.431641

FigS4C

<i>Ddx39b</i>		
	Scramble	si <i>Ddx39b</i>
rep1	1.058484	0.551335
rep2	1.043912	0.592546
rep3	0.905006	0.553632

FigS4D

ALP	RV-NC+ Scramble	RV- <i>Niban2</i> +	RV-NC+ si <i>Ddx39b</i>	RV- <i>Niban2</i> +
rep1	0.868718	3.036919	1.30450603	2.049794
rep2	0.914428	2.196706	1.2636935	2.211998
rep3	1.216853	2.397055	1.25411122	2.215623

ARS	RV-NC+ Scramble	RV- <i>Niban2</i> +	RV-NC+ si <i>Ddx39b</i>	RV- <i>Niban2</i> +
rep1	0.782158	2.047599	1.30872799	1.392335
rep2	1.201489	1.554882	1.02844749	1.168095
rep3	1.016353	2.607659	0.94136099	0.971007

FigS4E

<i>Rbm</i> x		
	Scramble	si <i>Rbm</i> x
rep1	0.89834	0.342063
rep2	0.95418	0.367377
rep3	1.166619	0.366106

FigS4G

ALP	RV-NC+ Scramble	RV- <i>Niban2</i> +	RV-NC+ si <i>Rbm</i> x	RV- <i>Niban2</i> +
rep1	1.291117	2.038593	0.92151922	1.19617
rep2	0.811118	1.675663	1.05372972	0.994806
rep3	0.897765	1.451096	1.05089505	1.007641

ARS	RV-NC+ Scramble	RV- <i>Niban2</i> +	RV-NC+ si <i>Rbm</i> x	RV- <i>Niban2</i> +
rep1	1.229985	1.796698	1.2876015	1.655499
rep2	0.77132	2.05658	1.38330786	1.717814
rep3	0.998695	2.037192	1.76612799	1.589336

FigS5B

	Tissue volume	Bone volume	Percent bone volume	Tissue surface	Bone surface	Intersection surface	Bone surface / volume ratio	Bone surface density	Trabecula r thickness	Trabecula r separation	Trabecula r number
	TV U^3	BV U^3	BV/TV %	TS U^2	BS U^2	i.S U^2	BS/BV 1/U	BS/TV 1/U	Tb.Th U	Tb.Sp U	Tb.N 1/U
Sham-1	4.32873	0.31463	7.26844	20.65849	21.57052	2.91286	68.55815	4.98311	0.06411	0.29936	1.13372
Sham-2	4.48495	0.29356	6.54552	21.15248	20.75577	2.89525	70.7029	4.62788	0.06229	0.31404	1.05086
Sham-3	4.31967	0.30771	7.12341	20.25528	20.88311	2.47215	67.86665	4.83442	0.06526	0.29664	1.09152
Sham-4	4.30643	0.29881	6.93864	20.64162	20.66878	2.92047	69.17079	4.79951	0.06499	0.29481	1.0676
OVX-1	4.39559	0.14569	3.31435	20.10036	12.91733	1.80945	88.66602	2.9387	0.05358	0.34368	0.61861
OVX-2	4.07202	0.20104	4.937	19.65137	14.77803	2.1658	73.50955	3.62917	0.06523	0.3138	0.75689
OVX-3	3.98562	0.11533	2.89361	19.46193	9.51508	1.48553	82.50433	2.38736	0.06112	0.39367	0.47341
OVX-4	3.95829	0.1018	2.57178	19.18213	9.44825	1.28078	92.81319	2.38695	0.05027	0.38958	0.51155

von Kossa	RV-NC+ Scramble	RV- <i>Niban2</i> +	RV-NC+ si <i>Hnrnpu</i>	RV- <i>Niban2</i> +
	1.065516	2.154403	1.720652	1.549011
	0.811672	1.976953	1.446456	1.749199
	1.122812	1.765044	1.47489	1.5634

von Kossa	RV-NC+ Scramble	RV- <i>Niban2</i> +	RV-NC+ si <i>Ddx39b</i>	RV- <i>Niban2</i> +
rep1	0.820738	1.489942	1.76203	1.32447
rep2	1.013073	1.733776	1.220068	1.532883
rep3	1.166189	1.767227	1.55437	1.492979

von Kossa	RV-NC+ Scramble	RV- <i>Niban2</i> +	RV-NC+ si <i>Rbm</i> x	RV- <i>Niban2</i> +
rep1	1.064557	1.596796	0.598892	0.980698
rep2	1.01672	1.381634	0.791378	1.233624
rep3	0.918723	1.32216	0.501007	0.922031

Primers for qPCR

<i>Mus musculus</i>	Forward (5'-3')	Reverse (5'-3')
<i>Actb</i>	GCGGGCGACGATGCT	CACGGTTGGCCTTAGGGTT
<i>Niban2</i>	CCCTCTCATCCTGTGGCATC	CGAACGCAATCCTGAAGCAC
<i>Zfhx</i>	CAAACCCAGTAGCATGGAGCA	ATGTAGGTCTGGAGGCTGGA
<i>Fam234a</i>	AGATCCTGTGCTGATGAAGGC	TACAAGGGCGACATCTTGGG
<i>Hnrnpu</i>	TAGAGGCCGTGGAGGATTCA	GGCCACGTGGGTATGGATAG
<i>Ddx39b</i>	GAGGTCCAGCATGAGTGCAT	TGTGACACATCACCAGCACA
<i>RbmX</i>	CACGTAGTGCTCCACCTACA	ATCAGATCGGCTTCCTCCAC
<i>Runx2 exon 6</i>	TCTGACCGCCTCAGTGATTT	AAGGACTTGGTGCAGAGTTCA
<i>Runx2Δ6</i>	GAACCAAGAAATCCCAGGCAGG	GTTGGAGAAGCGGCTCTCAG
<i>Runx2 exon 6 and 7 conjugated</i>	ACAAATCCTCCCCAAGTGCC	GGATGAGGAATGCGCCCTAA

<i>Homo sapiens</i>	Forward (5'-3')	Reverse (5'-3')
<i>ACTB</i>	CATGTACGTTGCTATCCAGGC	CTCCTTAATGTCACGCACGAT
<i>NIBAN2</i>	CTGACGGAGTTCCCTCCAGTTC	GAGGTTCCCCGAGAAGACGAT
<i>RUNX2Δ6</i>	GAACCAAGAAATCCCAGGCAGG	GTTGGAGAAGCGGCTCTCAG
<i>RUNX2 exon 6</i>	TCTGACCGCCTCAGTGATTT	AAGGACTTGGTGCAGAGTTCA

Primers for RIP-qPCR

	Forward (5'-3')	Reverse (5'-3')
<i>ACTB exon 4</i>	AGGGAAATCGTGCGTGACAT	GGAAAAGAGCCTCAGGGCAT
<i>RUNX2 exon 6</i>	TCTGACCGCCTCAGTGATTT	AAGGACTTGGTGCAGAGTTCA

To note, primers of *RUNX2* or *Runx2 exon 6* for *Homo sapiens*, *Mus musculus*, or RIP-qPCR were the same

Primers for PCR

	Forward (5'-3')	Reverse (5'-3')
<i>Runx2 exon 3 to 9</i>	CAGTCCCAACTTCCTGTGCT	TGCATTTCGTGGGTGGAGAA

siRNA

Target	Forward (5'-3')	Reverse (5'-3')
<i>Runx2Δ6</i>	CGGGAACCAAGAAAUCCCATT	UGGGAUUUCUUGGUUCCCCGTT
<i>Hnrnpu</i>	GUUGCUUGGUGAAGAAGAATT	UUCUUCUUCACCAAGCAACTT
<i>Ddx39b</i>	CUGGUGAUGUGUCACACUATT	UAGUGUGACACAUCACCAGTT
<i>RbmX</i>	GUCUAUCAAGAAGGACGAATT	UUCGUCCUUCUUGAUAGACTT