

**Supplementary Table 1.** Telomere length and clinical information for the series of patients evaluated in this study dx.: diagnosis; ER: Oestrogen receptor; PR: Progesterone receptor; Ntel: normal-sized telomeres; Ltel: long telomeres; \* Samples studied by targeted Next Generation Sequencing with the Onco4 Panel (Sistemas Genómicos)

	ID	Age dx.	Telomere length (Kb)				%<3kb	ER/PR 0: -/1: +	Grade	Ki67 + (%)	Good resp:0 /1 Bad resp:2/3	
			Observed	Expected	Difference							
Ntel	2060	40.16	10.94	9.92	1.02	12.13	1	1	15	2		
	2064	54.39	8.12	8.96	-0.84	23.91	1	1	20	2		
	2066	44.30	8.70	9.64	-0.94	24.01	1	2	30	3		
	2069	54.01	6.97	8.99	-2.02	27.03	1	2	10	2		
	2102	55.01	7.33	8.92	-1.59	22.80	0	3	90	2		
	2151	52.25	7.49	9.11	-1.62	27.52	1	1	2	2		
	2255	56.06	7.47	8.85	-1.38	20.45	1	2	13	2		
	2257	69.53	8.88	7.94	0.94	18.04	1	2	19	3		
	2258	60.31	10.52	8.57	1.95	11.03	1	3	10	0		
	2260	63.95	8.01	8.32	-0.31	21.72	1	2	19	2		
	2261	32.44	10.21	10.44	-0.23	15.45	1	2	70	3		
	2262	47.24	9.24	9.45	-0.21	19.55	1	2	5	2		
	2301	33.63	10.72	10.36	0.36	10.63	0	3	25	0		
	2310	45.09	6.88	9.59	-2.71	29.95	1	3	75	2		
	2312	45.52	7.92	9.56	-1.64	17.00	1	2	10	2		
	2352	47.59	12.03	9.42	2.61	10.78	0	2	50	2		
	2401	42.44	10.86	9.77	1.09	12.10	1	3	60	2		
	2404	42.09	10.38	9.79	0.59	12.06	0	2	40	2		
	2412*	67.90	8.48	8.05	0.43	20.00	0	3	80	2		
	2415	57.01	6.67	8.79	-2.12	49.40	1	1	27	2		
	2456	47.02	6.83	9.46	-2.63	28.79	1	2	20	2		
	2459	40.72	7.03	9.89	-2.86	23.15	1	2	25	2		
	2702	65.50	6.98	8.22	-1.24	26.62	1	2	30	2		
	2703	53.84	7.40	9.00	-1.60	20.82	1	2	20	2		
	2706	37.48	7.66	10.10	-2.44	26.77	1	2	60	0		
	2707	35.50	9.72	10.24	-0.52	17.16	1	1	10	2		
	2708	42.21	10.36	9.79	0.57	12.46	1	2	40	1		
	2710	42.31	10.46	9.78	0.68	11.17	1	2	10	0		
	2711	46.72	7.74	9.48	-1.74	27.19	1	2	12	2		
	2751	40.08	11.04	9.93	1.11	13.64	1	1	5	3		
	2061	60.28	11.14	8.57	2.57	14.31	1	2	20	1		
	2302	46.21	11.20	9.52	1.68	11.43	1	2	12	2		
	2407	52.64	7.69	9.08	-1.39	19.39	1	2	50	2		
	2413	67.94	7.96	8.05	-0.09	18.09	1	1	10	0		
	2460	43.96	7.33	9.67	-2.34	26.51	1	2	15	1		
	2003	47.77	9.77	9.41	0.36	15.50	1	3	59	2		
	2006	65.15	6.79	8.24	-1.45	29.05	1	2	4	2		
	2057	32.74	9.90	10.42	-0.52	16.00	1	2	25	2		
	2059	45.27	10.76	9.58	1.18	12.31	1	2	7	2		
	2065	67.90	7.30	8.05	-0.75	28.42	1	2	7	3		
	2067	54.78	10.46	8.94	1.52	10.20	1	2	22	3		
	2103	60.77	10.86	8.53	2.33	16.63	1	2	30	3		
	2105	56.19	7.54	8.84	-1.30	27.11	0	3	35	2		
	2107	46.77	9.60	9.48	0.12	19.33	0	3	30	2		
	2254	53.23	8.15	9.04	-0.89	19.11	0	2	21	3		
	2263	57.88	11.04	8.73	2.31	11.48	1	3	30	2		
	2307	44.76	5.52	9.61	-4.09	43.50	1	2	14	2		
	2313	49.96	10.08	9.26	0.82	15.70	1	3	30	3		
	2314	62.82	11.70	8.40	3.30	11.78	1	2	15	3		
	2410	81.40	8.11	7.14	0.97	18.65	0	2	40	3		
	2411	42.55	10.83	9.76	1.07	12.15	0	2	95	2		
	2414	75.06	7.29	7.57	-0.28	24.37	1	2	20	3		
	2417	47.93	9.49	9.40	0.09	18.13	1	3	20	2		
	2457	35.18	9.23	10.26	-1.03	25.18	1	1	2	2		
	2603	39.86	8.25	9.94	-1.69	18.88	1	2	30	0		
	2701	72.26	11.67	7.76	3.91	13.66	1	2	35	3		
	2106	38.65	9.40	10.03	-0.63	21.88	1	2	15	2		
	2256	44.01	11.19	9.66	1.53	11.17	0	3	10	0		

	2271	48.33	9.64	9.37	0.27	19.77	1	2	19	3
	2272	33.23	7.24	10.39	-3.15	28.96	1	1	10	3
	2303	40.55	12.50	9.90	2.60	10.67	1	2	12	3
	2306	42.04	11.91	9.80	2.11	10.09	1	3	20	2
	2308	52.17	7.28	9.11	-1.83	28.76	1	2	12	3
	2311	41.86	10.08	9.81	0.27	18.21	1	2	30	3
	2315	53.17	10.95	9.05	1.90	13.59	1	3	60	0
	2354	46.25	9.08	9.51	-0.43	19.07	1	2	7	1
	2355	41.67	8.76	9.82	-1.06	17.26	1	2	26	3
	2402	55.44	12.11	8.89	3.22	8.82	1	2	18	2
	2453	45.88	10.25	9.54	0.71	13.14	1	2	10	2
	2601	35.53	11.55	10.24	1.31	14.21	0	3	43	2
	2416*	79.22	8.50	7.29	1.21	24.44	0	3	60	2
	2454	57.98	9.61	8.72	0.89	13.99	1	2	10	2
	2458	62.53	11.57	8.42	3.15	15.29	1	2	40	3
	2202	51.91	10.59	9.13	1.46	13.90	1	2	18	3
	2058	48.99	10.71	9.33	1.38	12.30	1	2	30	2
	2203	42.47	7.48	9.77	-2.29	26.89	1	2	30	3
	2409	41.62	10.76	9.83	0.93	15.30	1	2	40	2
	2068	49.97	8.11	9.26	-1.15	26.95	1	1	3	2
	2005	42.82	9.52	9.74	-0.22	17.79	0	3	22	2
	2705	39.32	7.38	9.98	-2.60	26.74	1	2	40	2
	2259	48.49	9.46	9.36	0.10	15.10	1	3	21	3
	2201	52.02	7.46	9.13	-1.67	22.42	0	2	98	3
	2104	64.17	7.54	8.31	-0.77	20.73	1	2	23	3
	2455	50.47	9.97	9.23	0.74	16.77	1	2	20	2
	2204	35.24	7.81	10.26	-2.45	25.11	1	2	30	3
	2267	41.48	9.02	9.84	-0.82	16.53	1	2	75	2
	2056	53.99	9.58	8.99	0.59	15.02	1	1	20	1
	2704	47.63	10.20	9.42	0.78	13.46	1	3	80	2
<b>Ntel</b>	<b>88</b>	<b>50.03</b>	<b>9.20</b>	<b>9.26</b>	<b>-0.06</b>	<b>19.14</b>	<b>0.83</b>	<b>2.10</b>	<b>28.77</b>	<b>2.06</b>
	2002	50.72	13.93	9.21	4.72	7.01	1	3	25	2
	2004*	37.67	14.30	10.09	4.21	6.87	0	3	70	2
	2062*	47.65	12.82	9.42	3.40	8.89	0	3	80	1
	2403*	48.86	11.78	9.34	2.44	9.01	0	3	75	0
	2408*	50.57	13.25	9.22	4.03	8.73	0	3	50	2
	2452*	54.55	12.52	8.95	3.57	7.67	0	2	75	2
	2552*	58.25	12.87	8.70	4.17	7.55	0	3	40	3
	2555	31.16	11.07	10.53	0.54	9.98	1	2	10	3
	2063	35.30	14.82	10.25	4.57	8.74	1	2	25	3
	2265	46.52	13.99	9.50	4.49	8.76	1	2	10	3
	2269	44.30	14.17	9.65	4.52	7.19	1	1	25	3
	2304*	39.24	11.78	9.99	1.79	9.01	0	3	75	2
	2305	50.39	13.25	9.23	4.02	6.48	1	2	12	2
	2405*	43.58	11.51	9.69	1.82	9.10	0	3	75	3
	2602*	40.72	12.26	9.89	2.37	9.88	0	3	83	2
	2553	43.48	15.67	9.70	5.97	6.48	1	3	25	2
	2451*	56.27	13.52	8.84	4.68	8.57	0	2	50	2
<b>Ltel</b>	<b>17</b>	<b>45.84</b>	<b>13.15</b>	<b>9.54</b>	<b>3.61</b>	<b>8.23</b>	<b>0.41</b>	<b>2.5</b>	<b>48.75</b>	<b>2.18</b>
<b>TOTAL</b>	<b>105</b>	<b>49.35</b>	<b>9.84</b>	<b>9.3</b>	<b>0.54</b>	<b>17.38</b>	<b>0.76</b>	<b>2.16</b>	<b>31.85</b>	<b>2.08</b>

**Supplementary Table 2.** Average telomere length and clinical information of triple negative subtype patients. TN: Triple Negative; dx.: diagnosis; Ntel: normal-sized telomeres; Ltel: long telomeres.

	N	Age dx.	Telomere length (Kb)				% <3kb (short)	Grade 3	Ki67
			Observed	Expected	Difference				
TN_Ntel	15	52.00	9.43	9.13	0.30	17.51	6 (40%)	49.27%	
TN_Ltel	10	47.74	12.66	9.41	3.25	8.53	8 (80%)	67.30%	
Total TN	25	49.35	9.84	9.30	0.54	17.38	17 (68%)	31.85%	

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