

Additional file 4 Summary of the gene expression data carried out in the reported set of patients by real-time PCR analysis (as detailed in the Materials and Methods).

Treatment ID: T, GBLE-treated; PL, placebo-treated

Patient ID: confidential patient identification

Raw Data: Ct average values (qRT-PCR exported data)

Fold change: relative gene expression evaluated at T1 compared to T0

Gene variation: DOWN, gene down-regulation at T1 compared to T0; UP, gene up-regulation at T1 compared to T0; =, non change in gene expression at T1 compared to T0

Treatment ID	Patient ID	Raw Data		Fold change ($\Delta\Delta$ Ct method)	Gene variation	Treatment ID	Patient ID	Raw Data		Fold change ($\Delta\Delta$ Ct method)	Gene variation	Treatment ID	Patient ID	Raw Data		Fold change ($\Delta\Delta$ Ct method)	Gene variation	
		Ct GAPDH	Ct MYB					Ct GAPDH	Ct P53					Ct GAPDH	Ct CTNNB1			
T	11 RT0	29.24	34.73	1	DOWN	T	11 RT0	29.24	36.49	1	=	T	11 RT0	29.24	not amplified			
	11 RT1	28.11	35.3	0.31		T	11 RT1	28.11	34.53	1.78		T	11 RT1	28.11	not amplified			
T	29 ST0	30.81	36.55	1	DOWN	T	29 ST0	30.81	38.4	1	UP	T	29 ST0	30.81	40	1	0.043	DOWN
	29 ST1	26.07	35.21	0.10		T	29 ST1	26.07	32.19	2.77		T	29 ST1	26.07	39.81			
T	40 ST0	26.93	not amplified			T	40 ST0	26.93	36.27	1	UP	T	40 ST0	26.93	not amplified			
	40 ST1	30.15	not amplified			T	40 ST1	30.15	34.88	24.42		T	40 ST1	30.15	not amplified			
T	42 ST0	28.23	30.12	1	=	T	42 ST0	28.23	40	1	UP	T	42 ST0	28.23	not amplified			
	42 ST1	28.27	29.73	1.35		T	42 ST1	28.27	34	65.80		T	42 ST1	28.27	not amplified			
T	60 MT0	28.78	31.33	1	UP	T	60 MT0	28.78	not amplified			T	60 MT0	28.78	not amplified			
	60 MT1	28.75	29.55	3.36		T	60 MT1	28.75	not amplified			T	60 MT1	28.75	not amplified			
T	66 MT0	30.58	34.66	1	UP	T	66 MT0	30.58	39.63	1	UP	T	66 MT0	30.58	not amplified			
	66 MT1	28.27	31.23	2.17		T	66 MT1	28.27	36.02	2.46		T	66 MT1	28.27	not amplified			
T	76 MT0	29.04	33.68	1	UP	T	76 MT0	29.04	36.13	1	DOWN	T	76 MT0	29.04	not amplified			
	76 MT1	26.83	29.06	5.31		T	76 MT1	26.83	36.09	0.22		T	76 MT1	26.83	not amplified			
T	62 MT0	31.97	33.15	1	DOWN	T	62 MT0	31.97	25.32	1	DOWN	T	62 MT0	31.97	32.11	1		DOWN
	62 MT1	29.4	32.55	0.26		T	62 MT1	29.4	25.52	0.15		T	62 MT1	29.4	38.09			
PL	65 MT0	30.84	34.06	1	UP	PL	65 MT0	30.84	29.1	1	UP	PL	65 MT0	30.84	not amplified			
	65 MT1	31.7	32.94	3.94		PL	65 MT1	31.7	24.85	34.54		PL	65 MT1	31.7	not amplified			
PL	30 ST0	32.38	37.19	1	DOWN	PL	30 ST0	32.38	40	1	UP	PL	30 ST0	32.38	40	1	0.18	UP
	30 ST1	27.7	34.49	0.25		PL	30 ST1	27.7	32.67	6.28		PL	30 ST1	27.7	37.83			
PL	35 ST0	34.22	39.34	1	DOWN	PL	35 ST0	34.22	38.54	1	=	PL	35 ST0	34.22	40	1		=
	35 ST1	27.89	35.7	0.15		PL	35 ST1	27.89	33.07	0.55		PL	35 ST1	27.89	36.84			
PL	44 ST0	29.54	31.27	1	DOWN	PL	44 ST0	29.54	40	1	=	PL	44 ST0	29.54	not amplified			
	44 ST1	25.82	29.7	0.23		PL	44 ST1	25.82	35.68	1.52		PL	44 ST1	25.82	not amplified			
PL	53 MT0	29.86	30.5	1	=	PL	53 MT0	29.86	35.08	1	DOWN	PL	53 MT0	29.86	not amplified			
	53 MT1	26.53	27.52	0.78		PL	53 MT1	26.53	35.08	0.10		PL	53 MT1	26.53	not amplified			
PL	55 MT0	21.75	22.8	1	=	PL	55 MT0	21.75	not amplified			PL	55 MT0	21.75	31.5	1		DOWN
	55 MT1	29.1	29.21	1.92		PL	55 MT1	29.1	not amplified			PL	55 MT1	29.1	40			
PL	72 MT0	27.56	27.66	1	=	PL	72 MT0	27.56	not amplified			PL	72 MT0	27.56	not amplified			
	72 MT1	32.46	32.37	1.14		PL	72 MT1	32.46	not amplified			PL	72 MT1	32.46	not amplified			
PL	74 MT0	26.64	27.91	1	=	PL	74 MT0	26.64	not amplified			PL	74 MT0	26.64	not amplified			
	74 MT1	29.06	30.76	0.74		PL	74 MT1	29.06	not amplified			PL	74 MT1	29.06	not amplified			
PL	59 MT0	28.88	30.95	1	DOWN	PL	59 MT0	28.88	26.5	1	=	PL	59 MT0	28.88	not amplified			
	59 MT1	29.01	32.51	0.37		PL	59 MT1	29.01	27.23	0.66		PL	59 MT1	29.01	not amplified			