

Part SIOPEN clinical annotation: Patient characteristics of the samples of the neuroblastoma SIOPEN/GPOH cDNA library. PatientID is a unique patient number, the group indicates the risk. Clinical characteristics given are the age at diagnosis in months, International Neuroblastoma Staging System (INSS) stage, *MYCN* status (0 is non-amplified/single copy and 1 is amplified), overall survival (OS) and event-free survival (EFS) time in days and months after diagnosis, respectively. OS indicates whether the patient was alive (0) at the last known follow-up or died of disease (1). Similar for EFS, indicating events, such as relapse or progression. Empty cells represent missing values.

Part SIOPEN overview annotation: Summary of the clinical characteristics of the 366 primary neuroblastoma samples of the neuroblastoma SIOPEN/GPOH cDNA library. HR-DOD: high-risk deceased patients, HR-SURV: high-risk patients alive for at least 1000 days follow-up, LR-SURV: low-risk patients alive for at least 1000 days follow-up, and INSS: International Neuroblastoma Staging System.

Part SIOPEN assays: qPCR mRNA assays used in the mRNA expression profiling of the DNA-methylation biomarkers *CNR1*, *GRB10*, *KRT19*, *PRPH* and *QPCT*. For each tested gene, the assay name and corresponding forward and reverse primer (5' to 3') are indicated, as well as the genomic location of the amplicon on the hg19 reference genome.

Part SIOPEN results: Results of the mRNA expression measurement of the DNA-methylation biomarkers *CNR1*, *GRB10*, *KRT19*, *PRPH* and *QPCT*. The Cq values were converted to relative quantities and log₂ values. Relative gene expression levels were then normalized using the geometric mean of five reference sequences (*HPRT1*, *SDHA*, *UBC*,

HMBS and *AluSq*). These logged and normalized qPCR data are given. HR-DOD: high-risk deceased patients, HR-SURV: high-risk patients alive for at least 1000 days follow-up and LR-SURV: low-risk patients alive for at least 1000 days follow-up.

Part Expression: Relative mRNA expression distribution of *CNRI*, *GRB10*, *KRT19*, *PRPH* and *QPCT* in each of the five different neuroblastoma tumor stages (stage 1, 2, 3, 4 and 4S). In the box plots, the right and left hinge of the boxes represents the 75th percentile and 25th percentile, respectively. Whiskers, lines that extend from the box to the highest and lowest values, indicate the data range. Significant p-values according to the Kruskal-Wallis test (corrected for multiple testing using Benjamini-Hochberg) are indicated.

Part Survival: Kaplan-Meier plots: overall survival in the neuroblastoma SIOPEN/GPOH samples according to the relative mRNA expression levels of *CNRI*, *GRB10*, *KRT19*, *PRPH* and *QPCT*. Survival curves indicated with 'High' and 'Low' are the samples assigned to the high and low mRNA expression group, respectively, using the median relative mRNA expression value as a cut-off to create the groups. Significant p-values according to the log-rank test (Mantel-Cox; corrected for multiple testing using Benjamini-Hochberg) are indicated. Time is indicated in days, starting from diagnosis and censored to 4000 days (censored samples are indicated with vertical lines crossing the overall survival curves).

PatientID	Group	Age at diagnosis (months)	INSS Stage	MYCN	OS time (days)	EFS time (months)	OS	EFS
194	HR-DOD	31.496	4	0	357	8.942	1	1
1500	HR-DOD	43.660	4	0	1260	23.605	1	1
1501	HR-DOD	46.685	4	0	689	11.803	1	1
1503	HR-DOD	113.129	4	0	1517	28.110	1	1
1716	HR-DOD	69.534	4	0	877	23.934	1	1
1852	HR-DOD	53.162	4	0	1221	11.211	1	1
2164	HR-DOD	124.537	4	0	1201	34.882	1	1
2710	HR-DOD	42.838	4	0	1235	27.156	1	1
2711	HR-DOD	85.578	4	0	890	19.101	1	1
2712	HR-DOD	110.334	4	0	100	3.288	1	0
2714	HR-DOD	56.647	4	0	1263	22.619	1	1
2719	HR-DOD	23.704	4	0	319	3.222	1	1
2752	HR-DOD	54.707	4	0	1785	23.704	1	1
2771	HR-DOD	70.356	4	0	1333	33.271	1	1
2772	HR-DOD	142.488	4	0	861	16.077	1	1
2775	HR-DOD	75.584	4	0	1446	36.033	1	1
2780	HR-DOD	45.238	4	0	1149	20.121	1	1
2788	HR-DOD	37.348	4	0	670	18.608	1	1
1536	HR-DOD	19.759	2	1	316	9.370	1	1
1822	HR-DOD	22.619	3	1	728	19.529	1	1
1908	HR-DOD	11.868	3	1	292	6.641	1	1
2090	HR-DOD	36.855	3	1	274	8.416	1	1
111	HR-DOD	46.455	4	1	268	8.351	1	1
127	HR-DOD	11.737	4	1	412	9.403	1	1
772	HR-DOD	91.595	4	1	485	14.433	1	1
939	HR-DOD	19.299	4	1	516	16.208	1	1
1231	HR-DOD	35.803	4	1	544	15.616	1	1
1496	HR-DOD	16.142	4	1	386	11.605	1	1
1498	HR-DOD	39.288	4	1	309	7.332	1	1
1499	HR-DOD	73.381	4	1	172	5.326	1	1
1515	HR-DOD	33.797	4	1	549	10.126	1	1
1758	HR-DOD	21.764	4	1	264	5.129	1	1
1776	HR-DOD	0.000	4	1	1	0.033	1	1
1784	HR-DOD	7.529	4	1	239	3.814	1	1
1788	HR-DOD	78.707	4	1	1246	29.523	1	1
1820	HR-DOD	39.748	4	1	1279	18.148	1	1
1827	HR-DOD	107.934	4	1	319	1	1	1
1924	HR-DOD	27.551	4	1	340	10.784	1	1
1936	HR-DOD	54.871	4	1	679	21.534	1	1
2015	HR-DOD	41.392	4	1	663	19.660	1	1
2659	HR-DOD	23.605	4	1	201	6.378	1	1
2709	HR-DOD	32.121	4	1	290	8.416	1	1
2768	HR-DOD	13.315	4	1	294	9.600	1	1
2784	HR-DOD	13.381	4	1	226	4.340	1	1
2769	HR-DOD	41.293	4		499	12.395	1	1
2777	HR-DOD	58.849	4		1350	26.959	1	1
1497	HR-SURV	14.992	4	0	1628	53.523	0	0
1517	HR-SURV	49.644	4	0	1067	24.658	0	1
1677	HR-SURV	70.093	4	0	1114	36.625	0	0
1829	HR-SURV	34.192	4	0	2132	24.986	0	1
2016	HR-SURV	54.904	4	0	1569	32.153	0	1
2017	HR-SURV	54.904	4	0	1569	32.153	0	1
2092	HR-SURV	106.323	4	0	1267	35.244	0	1
2093	HR-SURV	28.438	4	0	1091	35.868	0	0
2171	HR-SURV	40.701	4	0	1218	40.044	0	0
2172	HR-SURV	23.079	4	0	1317	43.299	0	0
2718	HR-SURV	15.222	4	0	1913	62.893	0	0
2758	HR-SURV	38.203	4	0	1691	55.595	0	0
2762	HR-SURV	15.353	4	0	1641	53.951	0	0
2776	HR-SURV	80.614	4	0	1071	35.211	0	0
2781	HR-SURV	35.079	4	0	1161	29.195	0	1
1540	HR-SURV	18.707	2	1	2175	71.507	0	0
1766	HR-SURV	9.008	2	1	3153	103.660	0	0
1815	HR-SURV	5.655	2	1	1449	47.638	0	0

PatientID	Group	Age at diagnosis (months)	INSS Stage	MYCN	OS time (days)	EFS time (months)	OS	EFS
2162	HR-SURV	2.104	2	1	1837	60.395	0	0
1686	HR-SURV	16.373	3	1	1046	34.389	0	0
1824	HR-SURV	23.310	3	1	2387	78.477	0	0
2770	HR-SURV	26.170	3	1	2137	70.258	0	0
1759	HR-SURV	25.874	4	1	1953	64.208	0	0
1821	HR-SURV	38.038	4	1	2163	71.112	0	0
1823	HR-SURV	15.945	4	1	1985	65.260	0	0
1853	HR-SURV	8.745	4	1	2174	71.474	0	0
2091	HR-SURV	19.660	4	1	1320	43.397	0	0
2530	HR-SURV	26.433	4	1	2009	66.049	0	0
1542	HR-SURV	42.970	3	1	1807	59.408	0	0
116	LR-SURV	5.688	1	0	2575	84.658	0	0
126	LR-SURV	3.551	1	0	2693	88.537	0	0
130	LR-SURV	14.532	1	0	3404	111.912	0	0
266	LR-SURV	1.545	1	0	2216	72.855	0	0
315	LR-SURV	1.677	1	0	2910	95.671	0	0
320	LR-SURV	2.959	1	0	2951	97.019	0	0
321	LR-SURV	5.227	1	0	2938	96.592	0	0
338	LR-SURV	0.164	1	0	2904	95.474	0	0
346	LR-SURV	7.989	1	0	2302	75.682	0	0
769	LR-SURV	1.249	1	0	1562	51.353	0	0
824	LR-SURV	0.921	1	0	2735	89.918	0	0
827	LR-SURV	2.959	1	0	2732	89.819	0	0
1538	LR-SURV	15.485	1	0	2172	71.408	0	0
1539	LR-SURV	0.000	1	0	3922	128.942	0	0
1541	LR-SURV	14.827	1	0	1797	59.079	0	0
1693	LR-SURV	14.000	1	0	2372	79.067	0	0
1694	LR-SURV	15.600	1	0	2908	96.933	0	0
1698	LR-SURV	16.467	1	0	3303	110.100	0	0
1699	LR-SURV	3.367	1	0	2367	5.600	0	1
1700	LR-SURV	8.733	1	0	2416	1.100	0	1
1701	LR-SURV	25.267	1	0	1063	12.100	0	1
1720	LR-SURV	1.052	1	0	2027	66.641	0	0
1752	LR-SURV	33.008	1	0	1482	48.723	0	0
1767	LR-SURV	13.841	1	0	3930	129.205	0	0
1789	LR-SURV	1.479	1	0	1066	35.047	0	0
1790	LR-SURV	3.222	1	0	1156	38.005	0	0
1798	LR-SURV	11.507	1	0	2328	76.537	0	0
1799	LR-SURV	7.101	1	0	1463	48.099	0	0
1804	LR-SURV	0.296	1	0	1316	43.266	0	0
1828	LR-SURV	9.567	1	0	1622	53.326	0	0
1831	LR-SURV	2.137	1	0	1593	52.373	0	0
1841	LR-SURV	6.312	1	0	2271	74.663	0	0
1857	LR-SURV	7.397	1	0	1744	57.337	0	0
1879	LR-SURV	75.682	1	0	3050	100.274	0	0
1882	LR-SURV	14.827	1	0	4532	66.542	0	1
1883	LR-SURV	2.071	1	0	3436	112.964	0	0
1886	LR-SURV	4.142	1	0	2774	91.200	0	0
1891	LR-SURV	24.263	1	0	2593	85.249	0	0
1892	LR-SURV	60.690	1	0	3703	121.742	0	0
1893	LR-SURV	18.542	1	0	3173	104.318	0	0
1896	LR-SURV	32.910	1	0	3398	111.715	0	0
1898	LR-SURV	53.622	1	0	2478	81.468	0	0
1899	LR-SURV	2.005	1	0	2126	69.896	0	0
1901	LR-SURV	4.603	1	0	2931	96.362	0	0
1905	LR-SURV	1.184	1	0	3196	105.074	0	0
1906	LR-SURV	15.748	1	0	2022	66.477	0	0
1907	LR-SURV	25.545	1	0	1992	65.490	0	0
1909	LR-SURV	0.000	1	0	2320	76.274	0	0
1912	LR-SURV	2.170	1	0	2543	83.605	0	0
1914	LR-SURV	67.923	1	0	2481	81.567	0	0
1915	LR-SURV	25.611	1	0	2966	18.411	0	1
1916	LR-SURV	1.118	1	0	1675	55.068	0	0
1917	LR-SURV	4.471	1	0	2762	90.805	0	0

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1918	LR-SURV	78.115	1	0	2432	79.956	0	0
1919	LR-SURV	60.164	1	0	1618	53.195	0	0
1920	LR-SURV	45.863	1	0	2721	89.458	0	0
1929	LR-SURV	4.603	1	0	1100	36.164	0	0
1939	LR-SURV	16.567	1	0	2194	73.133	0	0
1940	LR-SURV	16.533	1	0	2101	70.033	0	0
1941	LR-SURV	18.200	1	0	2639	87.967	0	0
1942	LR-SURV	15.600	1	0	2908	96.933	0	0
1943	LR-SURV	15.433	1	0	1372	45.733	0	0
1950	LR-SURV	13.367	1	0	3802	126.733	0	0
1959	LR-SURV	33.867	1	0	5019	167.300	0	0
1961	LR-SURV	4.400	1	0	4401	3.500	0	1
1964	LR-SURV	15.500	1	0	2317	77.233	0	0
1965	LR-SURV	14.667	1	0	3031	101.033	0	0
1968	LR-SURV	1.167	1	0	1685	56.167	0	0
2025	LR-SURV	13.414	1	0	2413	79.332	0	0
2071	LR-SURV	10.784	1	0	2566	84.362	0	0
2088	LR-SURV	1.085	1	0	1341	44.088	0	0
2099	LR-SURV	1.644	1	0	3926	129.074	0	0
2100	LR-SURV	162.740	1	0	2501	82.225	0	0
2101	LR-SURV	81.205	1	0	3590	118.027	0	0
2105	LR-SURV	39.649	1	0	2872	94.422	0	0
2106	LR-SURV	12.822	1	0	2806	92.252	0	0
2107	LR-SURV	1.841	1	0	3070	100.932	0	0
2108	LR-SURV	4.044	1	0	1803	59.277	0	0
2110	LR-SURV	6.970	1	0	2630	86.466	0	0
2119	LR-SURV	0.099	1	0	2270	74.630	0	0
2122	LR-SURV	2.038	1	0	1826	60.033	0	0
2161	LR-SURV	3.222	1	0	1826	60.033	0	0
2163	LR-SURV	3.781	1	0	1674	13.841	0	1
2165	LR-SURV	1.151	1	0	1567	51.518	0	0
2167	LR-SURV	2.137	1	0	1481	48.690	0	0
2169	LR-SURV	0.559	1	0	1461	48.033	0	0
2170	LR-SURV	1.742	1	0	1461	48.033	0	0
2253	LR-SURV	53.589	1	0	3860	126.904	0	0
2257	LR-SURV	0.427	1	0	1930	63.452	0	0
2753	LR-SURV	1.052	1	0	4483	9.732	0	1
2756	LR-SURV	0.296	1	0	3493	3.419	0	1
2794	LR-SURV	1.479	1	0	2780	3.123	0	1
2795	LR-SURV	0.921	1	0	2231	2.696	0	1
192	LR-SURV	1.447	2	0	1053	34.619	0	0
332	LR-SURV	3.156	2	0	2942	96.723	0	0
1535	LR-SURV	3.814	2	0	2613	85.907	0	0
1672	LR-SURV	2.532	2	0	2511	82.553	0	0
1695	LR-SURV	13.800	2	0	2094	69.800	0	0
1696	LR-SURV	32.500	2	0	2780	92.667	0	0
1697	LR-SURV	13.900	2	0	3344	111.467	0	0
1753	LR-SURV	19.200	2	0	3479	114.378	0	0
1754	LR-SURV	7.364	2	0	3117	102.477	0	0
1755	LR-SURV	2.827	2	0	1915	62.959	0	0
1756	LR-SURV	10.619	2	0	1532	50.367	0	0
1757	LR-SURV	33.929	2	0	2557	84.066	0	0
1762	LR-SURV	54.773	2	0	2107	69.271	0	0
1763	LR-SURV	37.479	2	0	1325	43.562	0	0
1764	LR-SURV	0.789	2	0	1470	48.329	0	0
1769	LR-SURV	6.148	2	0	2163	71.112	0	0
1770	LR-SURV	5.392	2	0	1737	57.107	0	0
1779	LR-SURV	6.773	2	0	1808	59.441	0	0
1787	LR-SURV	22.225	2	0	2075	68.219	0	0
1800	LR-SURV	2.433	2	0	1827	60.066	0	0
1855	LR-SURV	0.855	2	0	1264	6.148	0	1
1885	LR-SURV	12.460	2	0	2813	92.482	0	0
1894	LR-SURV	9.140	2	0	1955	64.274	0	0
1895	LR-SURV	5.688	2	0	2209	72.625	0	0

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1897	LR-SURV	92.844	2	0	2106	69.238	0	0
1902	LR-SURV	0.592	2	0	3313	108.921	0	0
1910	LR-SURV	36.066	2	0	1800	59.178	0	0
1944	LR-SURV	15.733	2	0	2883	16.167	0	1
1945	LR-SURV	15.267	2	0	1589	52.967	0	0
1946	LR-SURV	17.600	2	0	1794	59.800	0	0
1947	LR-SURV	3.033	2	0	1996	66.533	0	0
1948	LR-SURV	15.100	2	0	2230	21.700	0	1
1951	LR-SURV	12.700	2	0	2329	77.633	0	0
1952	LR-SURV	13.600	2	0	3898	129.933	0	0
1953	LR-SURV	23.833	2	0	1924	64.133	0	0
1954	LR-SURV	16.900	2	0	2041	68.033	0	0
1958	LR-SURV	21.267	2	0	2173	72.433	0	0
1962	LR-SURV	23.500	2	0	3388	112.933	0	0
1963	LR-SURV	8.000	2	0	1307	1.800	0	1
1966	LR-SURV	0.200	2	0	1508	6.400	0	1
1967	LR-SURV	12.467	2	0	2083	4.467	0	1
2084	LR-SURV	13.118	2	0	1279	42.049	0	0
2102	LR-SURV	92.844	2	0	2106	69.238	0	0
2103	LR-SURV	6.148	2	0	2793	91.825	0	0
2104	LR-SURV	0.592	2	0	3313	108.921	0	0
2118	LR-SURV	9.205	2	0	2191	72.033	0	0
2160	LR-SURV	0.592	2	0	1848	60.756	0	0
2660	LR-SURV	46.126	2	0	1243	23.934	0	1
2738	LR-SURV	4.175	2	0	4134	135.912	0	0
2743	LR-SURV	20.121	2	0	1417	46.586	0	0
2760	LR-SURV	13.808	2	0	1441	47.375	0	0
2765	LR-SURV	12.230	2	0	1269	41.721	0	0
2796	LR-SURV	8.252	2	0	1023	33.633	0	0
193	LR-SURV	7.627	3	0	2678	32.844	0	1
267	LR-SURV	1.249	3	0	2264	74.433	0	0
1178	LR-SURV	7.956	3	0	1727	56.778	0	0
1507	LR-SURV	6.279	3	0	2466	81.074	0	0
1513	LR-SURV	0.921	3	0	1265	41.589	0	0
1722	LR-SURV	7.759	3	0	1674	55.036	0	0
1761	LR-SURV	0.000	3	0	2462	80.942	0	0
1774	LR-SURV	0.658	3	0	1840	60.493	0	0
1777	LR-SURV	8.712	3	0	1941	18.345	0	1
1819	LR-SURV	6.279	3	0	1921	5.852	0	1
1832	LR-SURV	9.074	3	0	1805	59.342	0	0
1839	LR-SURV	9.436	3	0	1094	35.967	0	0
1846	LR-SURV	8.088	3	0	2904	34.389	0	1
1850	LR-SURV	8.712	3	0	1651	54.279	0	0
1861	LR-SURV	6.148	3	0	1907	62.696	0	0
1880	LR-SURV	0.822	3	0	1257	41.326	0	0
1881	LR-SURV	5.885	3	0	3011	98.992	0	0
1888	LR-SURV	4.077	3	0	2616	86.005	0	0
1889	LR-SURV	7.825	3	0	2766	90.937	0	0
1890	LR-SURV	7.003	3	0	1598	52.537	0	0
1956	LR-SURV	10.133	3	0	3072	3.267	0	1
1960	LR-SURV	7.6	3	0	2707	90.233	0	0
2114	LR-SURV	6.279	3	0	2466	81.074	0	0
2661	LR-SURV	1.512	3	0	1860	3.847	0	1
318		3.123	4	0	2059	67.693	0	0
1179		6.082	4	0	1340	44.055	0	0
1773		3.616	4	0	2103	2.301	0	1
1792		3.058	4	0	1814	1.742	0	1
1797		2.860	4	0	1952	64.175	0	0
2067		10.389	4	0	1378	45.304	0	0
2068		10.389	4	0	1378	45.304	0	0
2085		7.792	4	0	1988	1.874	0	1
2121		11.573	4	0	2191	72.033	0	0
1780		1.447	1	0	957	31.463	0	0
1785		6.575	1	0	10	0.329	0	0

PatientID	Group	Age at diagnosis (months)	INSS Stage	MYCN	OS time (days)	EFS time (months)	OS	EFS
1791		6.608	1	0	336	11.047	0	0
1794		0.690	1	0	927	30.477	0	0
1796		1.348	1	0	721	23.704	0	0
1810		1.775	1	0	177	5.819	0	0
1811		11.868	1	0	1	0.033	0	0
1812		5.162	1	0	539	17.721	0	0
1825		10.685	1	0	838	27.551	0	0
1826		6.740	1	0	734	24.132	0	0
1835		1.019	1	0	440	14.466	0	0
1836		8.811	1	0	14	0.460	0	0
1840		5.589	1	0	928	30.510	0	0
1854		2.038	1	0	35	1.151	0	0
1858		1.940	1	0	166	5.458	0	0
1860		3.090	1	0	105	3.452	0	0
1884		29.063	1	0	996	32.745	0	0
1934		3.847	1	0	608	19.989	0	0
2089		1.052	1	0	855	28.110	0	0
1702		6.900	2	0	1820	22.467	1	1
1793		9.962	2	0	189	6.214	0	0
1795		1.874	2	0	317	0.756	1	1
1813		4.340	2	0	154	5.063	0	0
1848		4.110	2	0	775	25.479	0	0
1935		6.378	2	0	698	22.948	0	0
1937		10.521	2	0	0	0.000	0	0
1957		152.067	2	0	1773	25.300	1	1
520		156.986	3	0	1499	36.658	0	1
1516		43.923	3	0	298	9.797	0	0
1760		27.649	3	0	1806	59.375	0	0
1772		26.104	3	0	1547	50.860	0	0
1775		13.710	3	0	1064	34.981	0	0
1781		6.575	3	0	421	13.841	0	0
1802		8.351	3	0	366	12.033	0	0
1805		23.178	3	0	922	30.312	0	0
1816		1.019	3	0	637	20.942	0	0
1818		9.468	3	0	339	11.145	0	0
1859		4.767	3	0	760	24.986	0	0
1887		27.715	3	0	4184	137.556	0	0
1949		37.533	3	0	1998	41.533	0	1
1955		94.367	3	0	2286	22.833	0	1
2069		13.184	3	0	2069	37.644	0	1
2070		21.337	3	0	2444	80.351	0	0
2098		18.641	3	0	3196	105.074	0	0
2666		22.356	3	0	1296	42.608	0	0
2704		47.605	3	0	1758	57.797	0	0
2705		44.548	3	0	1798	59.112	0	0
2706		19.200	3	0	1286	42.279	0	0
2742		55.233	3	0	1398	45.962	0	0
2745		55.496	3	0	1442	47.408	0	0
2746		38.860	3	0	1063	34.948	0	0
2748		16.603	3	0	1060	34.849	0	0
2754		28.274	3	0				0
2755		110.301	3	0	1198	30.444		1
2759		57.995	3	0	1247	40.997	0	0
2761		23.507	3	0	709	23.310	0	0
2764		19.463	3	0	1100	36.164	0	0
2793		1.677	3	0	142	2.762		1
1803		52.932	4	0	259	8.515	0	0
2778		36.953	4	0	264		1	1
2782		32.318	4	0	344	11.310	0	0
764		26.038	3	0	1006	33.074	0	0
323		8.482	4s	0	1567	51.518	0	0
330		3.682	4s	0	2207	72.559	0	0
1495		1.019	4s	0	5494	180.625	0	0
1508		1.019	4s	0	36	1.052	1	1

PatientID	Group	Age at diagnosis (months)	INSS Stage	MYCN	OS time (days)	EFS time (months)	OS	EFS
1510		0.789	4s	0	1461	1.940	0	1
1511		6.345	4s	0	1461	48.033	0	0
1512		1.644	4s	0	1461	48.033	0	0
1514		7.036	4s	0	1091	35.868	0	0
1717		3.485	4s	0	1911	62.827	0	0
1765		1.874	4s	0	3777	124.175	0	0
1771		9.995	4s	0	3454	48.986	0	1
1801		0.855	4s	0	394	12.953	0	0
1806		1.085	4s	0	1590	52.274	0	0
1830		0.099	4s	0	2039	67.036	0	0
1842		0.460	4s	0	1503	49.414	0	0
1844		0.296	4s	0	1562	51.353	0	0
1921		2.532	4s	0	2192	72.066	0	0
1922		8.811	4s	0	2009	66.049	0	0
1928		4.405	4s	0	1461	2.860	0	1
2021		7.101	4s	0	1092	35.901	0	0
2022		7.101	4s	0	1092	35.901	0	0
2086		6.181	4s	0	2518	82.784	0	0
2087		3.649	4s	0	2497	82.093	0	0
2112		5.162	4s	0	2575	84.658	0	0
2115		8.351	4s	0	2539	83.474	0	0
2116		0.888	4s	0	2192	72.066	0	0
2159		2.893	4s	0	2178	71.605	0	0
2166		4.405	4s	0	1461	2.860	0	1
2168		11.605	4s	0	1469	48.296	0	0
2713		11.375	4s	0	2182	10.751	0	1
2715		5.852	4s	0	1770	3.912	0	1
2757		0.263	4s	0	1909	7.036	0	1
2763		7.397	4s	0	1940	3.551	0	1
334		6.247	1	1	2190	72.000	0	0
1751		26.071	1	1	760	22.521	1	1
1938		24.526	2	1	641	21.074	0	0
1136		22.323	3	1	862	28.340	0	0
1687		31.496	3	1	822	27.025	0	0
1834		23.638	3	1	205	6.740		0
1786		17.918	4	1	125	4.110		0
2785		18.838	4	1	524	17.227	0	0
2786		21.830	4	1	576	18.937	0	0
1837		0.559	4s	1	2178	71.605	0	0
1933		10.455	1		500	16.438	0	0
1849		10.060	2		2136	43.068	0	0
2774		7.463	2		1461	14.104	0	1
1856		10.652	4		295	8.679		1
1931		48.822	4		1049	34.488	0	0
1932		23.408	4		1137	30.970	0	1
2783		26.137	4		484	15.912	0	0

Characteristic	Classes	Count (percentage)
Risk Classification	HR-DOD	46/245 (19%)
	HR-SURV	29/245 (12%)
	LR-SURV	170/245 (69%)
INSS Stage	1	115/366 (31%)
	2	69/366 (20%)
	3	66/366 (18%)
	4	82/366 (22%)
	4S	34/366 (9%)
MYCN	Not amplified	307/357 (86%)
	Amplified	50/357 (14%)
Age	Age at diagnosis > 12 months	191/366 (52%)
	Age at diagnosis < 12 months	175/366 (48%)

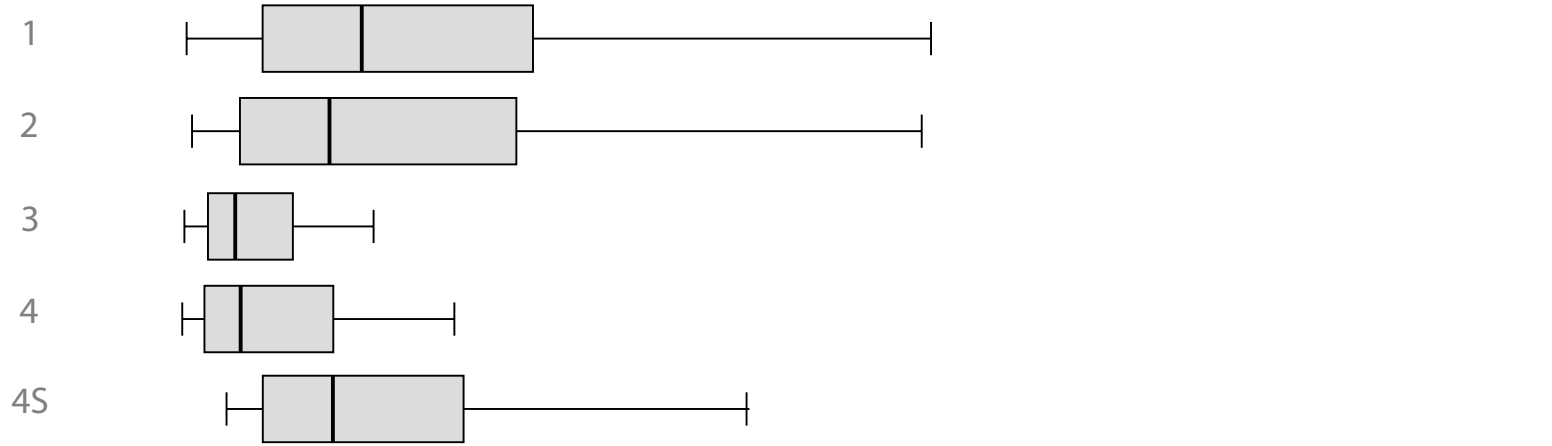
Name	Forward primer	Reverse primer	cDNA location	Genomic location
<i>CNR1</i>	ACCAGGGTTTAGTTGCATT	GAGCTCTGAAACATGTGGAT	NM_001160226:4107-4189	chr6: 88851256- 88851338
<i>GRB10</i>	TCCCAGAACAGATGGTACT	AGGACAACACTGGAGTTCA	NM_001001550:895-984	chr7:50684018-50685829
<i>KRT19</i>	CGACTACAGCCACTACTACA	AACTTGGTTCGGAAGTCATC	NM_002276:516-648	chr17:39681440-39684125
<i>PRPH</i>	CATCCCTTTCCTGGCTTATG	GCACATAGGTCACATCAAGT	NM_006262:1601-1689	chr12:49692250-49692337
<i>QPCT</i>	GGAACTTGCTCGTGCCTTAG	TCTGGCTTGGAGTCTGAAACA	NM_012413:625-691	chr2:37586959-37594397

Stage

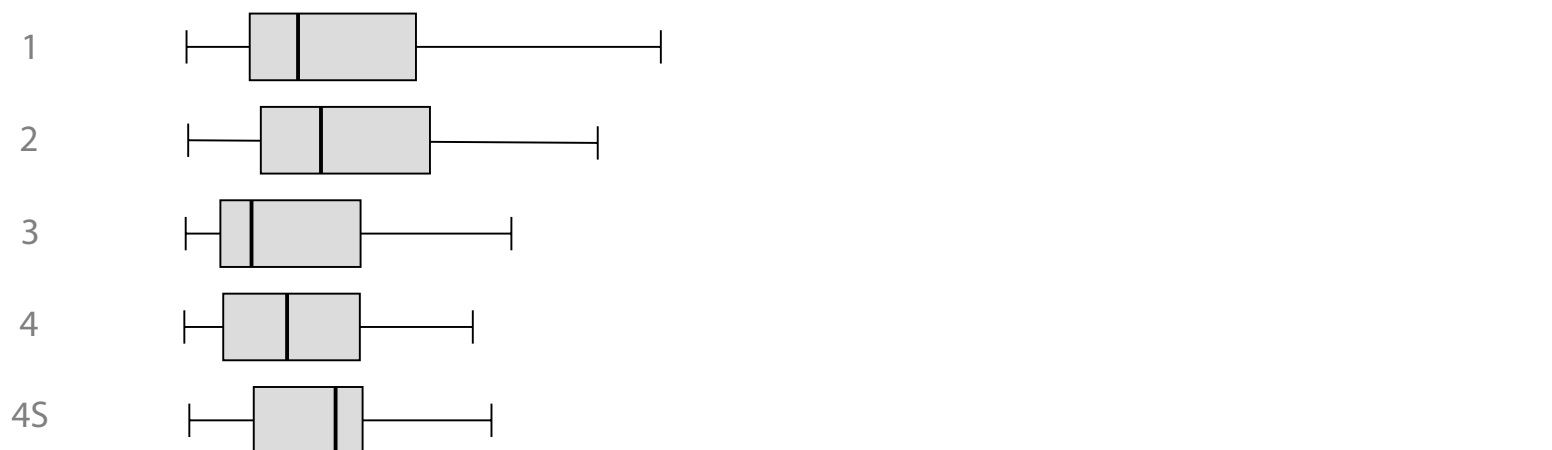
Relative mRNA expression

0 6 12

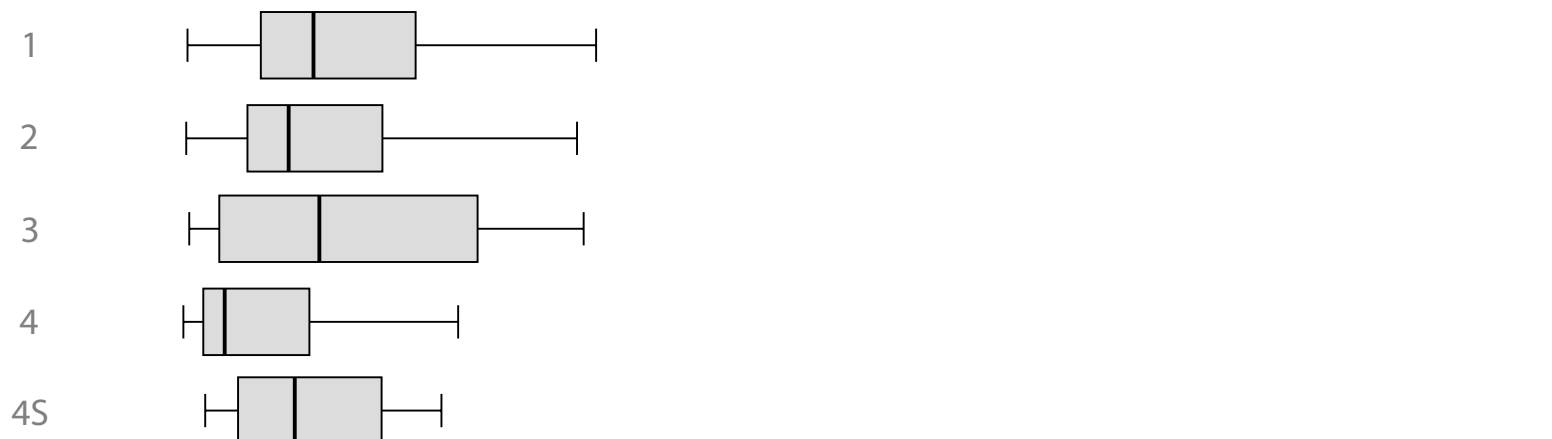
CNR1
p<0.001



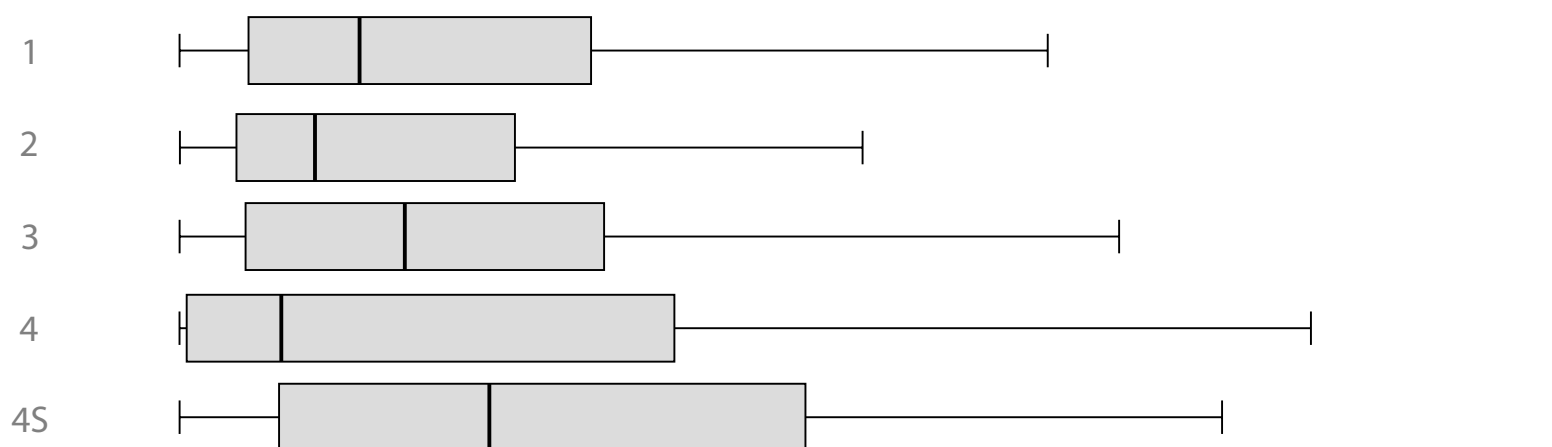
GRB10
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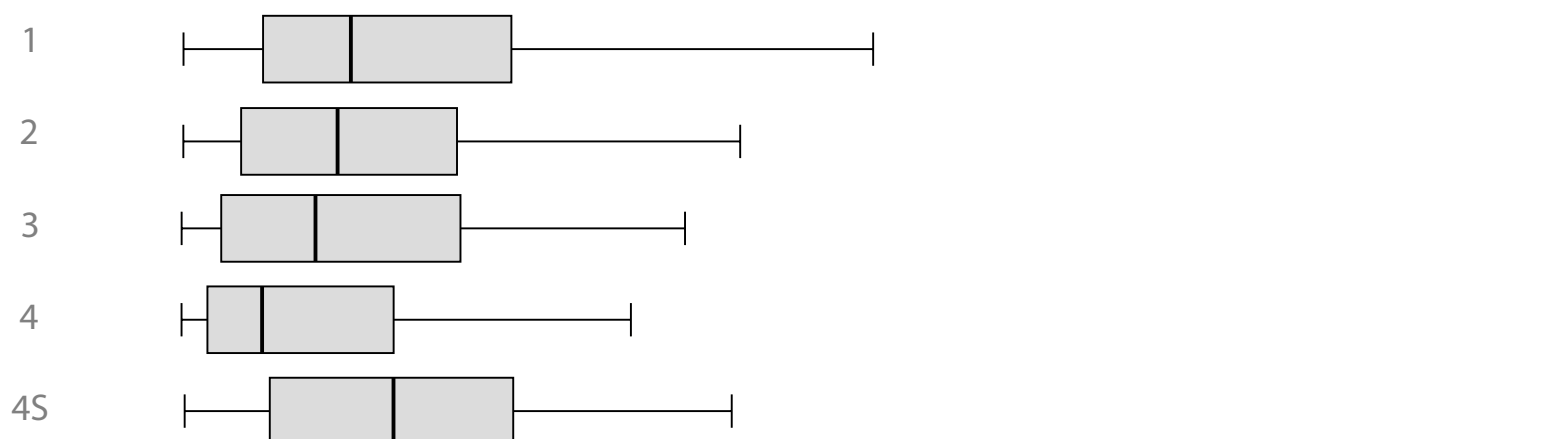
QPCT
p<0.001



KRT19



PRPH
p=0.010



0 6 12

Expression

