

**Supplemental Table 1. Copy number variation and Real-Time by Quantitative PCR**

Gene	Region name	Nanostring		qPCR	
		Genomic Coordinates (Hg19)	Taqman probe regions	TaqMan Copy Number Assay	Location
CCND1	CCND1_1	chr11:69457280-69457379	chr11:69457154	Hs03772544_cn	Within Intron 1
CCND1	CCND1_2	chr11:69461017-69461099	chr11:69461596	Hs03776261_cn	Within Intron 3
CCND1	CCND1_3	chr11:69464621-69464696	chr11:69466165	Hs02666923_cn	Within Exon 5
MDM2	MDM2_1	chr12:69211834-69211933	chr12:69210765	Hs03058884_cn	Overlaps Exon 5 - Intron 5
MDM2	MDM2_2	chr12:69218348-69218447	chr12:69218408	Hs03013618_cn	Overlaps Exon 8 - Intron 8
MDM2	MDM2_3	chr12:69231938-69232037	chr12:69232372	Hs06362713_cn	Within Intron 11
KRAS	KRAS_1	chr12:25370565-25370664	chr12:25370140	Hs06927012_cn	Within Intron 4
KRAS	KRAS_2	chr12:25383885-25383984	chr12:25383968	Hs06962121_cn	Within Intron 2
KRAS	KRAS_3	chr12:25394556-25394655	chr12:25394044	Hs06973152_cn	Within Intron 2

**Supplemental Table 2. Clinical findings according to the median time to progression and the median overall survival**

Characteristics	Time to progression		<i>P</i> value	Overall survival		<i>P</i> value
	< 3 months	≥ 3 months		< 12 months	OS ≥ 12 months	
Age, n (%)			1.000			0.293
Age < 65	18 (75)	10 (71)		17 (81)	11 (65)	
Age ≥ 65	6 (25)	4 (29)		4 (19)	6 (35)	
Sex, n (%)			0.337			0.640
Male	22 (92)	11 (79)		19 (90)	14 (82)	
Female	2 (8)	3 (21)		2 (10)	3 (18)	
Cause of disease, n (%)			0.139			0.248
Hepatitis B	19 (79)	9 (64)		17 (81)	11 (65)	
Hepatitis C	2 (8)	0 (0)		1 (5)	1 (6)	
Unknown	3 (13)	5 (36)		3 (14)	5 (29)	
ECOG performance status, n (%)			0.117			0.899
0	18 (75)	7 (50)		14 (67)	11 (65)	
1-2	6 (25)	7 (50)		7 (33)	6 (35)	
BCLC stage, n (%)			0.522			0.492
3	2 (8)	0 (0)		2 (10)	0 (0)	
4	22 (92)	14 (100)		19 (90)	17 (100)	
Macroscopic vascular invasion, n (%)			0.245			0.026
Absent	20 (83)	9 (64)		13 (62)	16 (94)	
Present	4 (17)	5 (36)		8 (38)	1 (6)	
Extrahepatic spread, n (%)			1.000			0.613
Absent	3 (12)	1 (7)		3 (14)	1 (6)	
Present	21 (88)	13 (93)		18 (86)	16 (94)	
Child-Pugh class			1.000			0.492
A	23 (96)	13 (93)		19 (90)	17 (100)	
B	1 (4)	1 (7)		2 (10)	0 (0)	
AFP			0.881			0.086
AFP < 200	16 (67)	9 (64)		11 (52)	14 (82)	
AFP ≥ 200	8 (33)	5 (36)		10 (48)	3 (18)	

ECOG, Eastern Cooperative Oncology Group; BCLC, Barcelona Clinic Liver Cancer; AFP, alpha-fetoprotein.