

**Supplemental Table 1 Genotypes of *TYMS* 5'UTR, 3'UTR, SNP G->C, LOH
n (%)**

Genotype	Relapsed	De novo metastatic	Total
<i>TYMS</i> 5'UTR	48 (100)	41 (100)	89 (100)
2R	2 (4.2)	6 (14.6)	8 (9.0)
2R/3R	27 (56.3)	18 (43.9)	45 (50.6)
2R/3RG	11 (22.9)	10 (24.4)	21 (23.6)
2R/3RG	4 (8.3)	4 (9.8)	8 (9)
3 (6.3)		2 (4.9)	5 (5.6)
2R/3RGLOH			
4 (8.3)		4 (9.8)	8 (9)
2RLOH/3RG			
2R/3RC	16 (33.3)	8 (19.5)	24 (27.0)
2R/3RC	8 (16.7)	3 (7.3)	11 (12.4)
7 (14.6)		3 (7.3)	10 (11.2)
2R/3RCLOH			
1 (2.1)		2 (4.9)	3 (3.4)
2RLOH/3RC			
3R	19 (39.6)	17 (41.5)	36 (40.4)
3RG	4 (8.3)	4 (9.8)	8 (9)
3RG/3RC	9 (18.8)	8 (19.5)	17 (19.1)
3RC	6 (12.5)	5 (12.2)	11 (12.4)
<i>TYMS</i> 3'UTR			
ins/ins	8 (16.7)	13 (31.7)	21 (23.6)
ins/LOH	14 (29.2)	8 (19.5)	22 (24.7)
ins/del	19 (39.6)	10 (24.4)	29 (32.6)
del/LOH	1 (2.1)	3 (7.3)	4 (4.5)
del/del	6 (12.5)	7 (17.1)	13 (14.6)

Supplemental Table 2 Combination of *TYMS*' polymorphisms and presence of LOH

	Relapsed	De novo metastatic	Total
	<i>n</i>	<i>n</i>	<i>n</i>
2RG-del/del	0	2	2
2RG-ins/del	1	1	2
2RG-ins/ins	1	3	4
2RG/3RC-del/del	1	0	1
2RG/3RC-ins/del	5	0	5
2RG/3RC-ins/ins	2	3	5
2RG/3RCLOH-del/LOH	1	0	1
2RG/3RCLOH-ins/LOH	6	3	9
2RG/3RG-del/del	0	2	2
2RG/3RG-ins/del	3	0	3
2RG/3RG-ins/ins	1	2	3
2RG/3RGLOH-ins/LOH	3	2	5
2RGLOH/3RC-del/LOH	0	2	2
2RGLOH/3RC-ins/LOH	1	0	1
2RGLOH/3RG-del/LOH	0	1	1
2RGLOH/3RG-ins/LOH	4	3	7
3RC-del/del	1	0	1
3RC-ins/del	4	2	6
3RC-ins/ins	1	3	4
3RG-del/del	2	2	4
3RG-ins/del	1	1	2
3RG-ins/ins	1	1	2
3RG/3RC-del/del	2	1	3
3RG/3RC-ins/del	5	6	11
3RG/3RC-ins/ins	2	1	3

Supplemental Table 3 Association between polymorphisms and presence of LOH *n* (%)

		LOH,		<i>P</i> value
		No	Yes	
3'UTR	del/del	13 (20.6)	1 (03.8)	<0.060
	ins/ins & ins/del	50 (79.4)	25 (96.2)	
SNP C	No	24 (38.0)	15 (57.7)	<0.105
	Yes	39 (62.0)	11 (42.3)	
SUM		63 (100.0)	26 (100.0)	