

**Table S9. PFS Survival analysis of subgroup patients stratified by the hierarchical subclusters showing by Figure 4A and B.**

A. Subgroup of patients with *FAT1* mutant status (Figure 4A)

<b>TIME (Days)</b>	<b>Subgroup I (95% CI)</b>	<b>Subgroup II (95% CI)</b>	<b>Difference (95% CI)</b>	<b>p-value</b>
1200.00	0.58 (0.401, 0.723)	0.424 (0.276, 0.565)	-0.16 (-0.27, -0.05)	0.006
2000.00	0.451 (0.247, 0.636)	0.33 (0.176, 0.493)	-0.12 (-0.25, 0.013)	0.076
2500.00	0.451 (0.247, 0.636)	0.33 (0.176, 0.493)	-0.12 (-0.26, 0.016)	0.083
3000.00	0.451 (0.247, 0.636)	0.33 (0.176, 0.493)	-0.12 (-0.26, 0.016)	0.083
4000.00	0.339 (0.121, 0.573)	0.33 (0.176, 0.493)	-0.01 (-0.15, 0.134)	0.909

B. Subgroup of patients with *FAT1* wild type status (Figure 4B)

<b>TIME (Days)</b>	<b>Subgroup I (95% CI)</b>	<b>Subgroup II (95% CI)</b>	<b>Difference (95% CI)</b>	<b>p-value</b>
2000.00	0.437 (0.28, 0.584)	0.512 (0.381, 0.629)	0.075 (-0.02, 0.174)	0.138
2500.00	0.328 (0.165, 0.502)	0.512 (0.381, 0.629)	0.184 (0.079, 0.29)	0.001
3000.00	0.273 (0.119, 0.454)	0.512 (0.381, 0.629)	0.239 (0.131, 0.347)	0.000
4000.00	0.273 (0.119, 0.454)	0.512 (0.381, 0.629)	0.239 (0.095, 0.383)	0.001