Table S1. Clinicopathological characteristics of normal and NASH cohorts. Total (n=16)

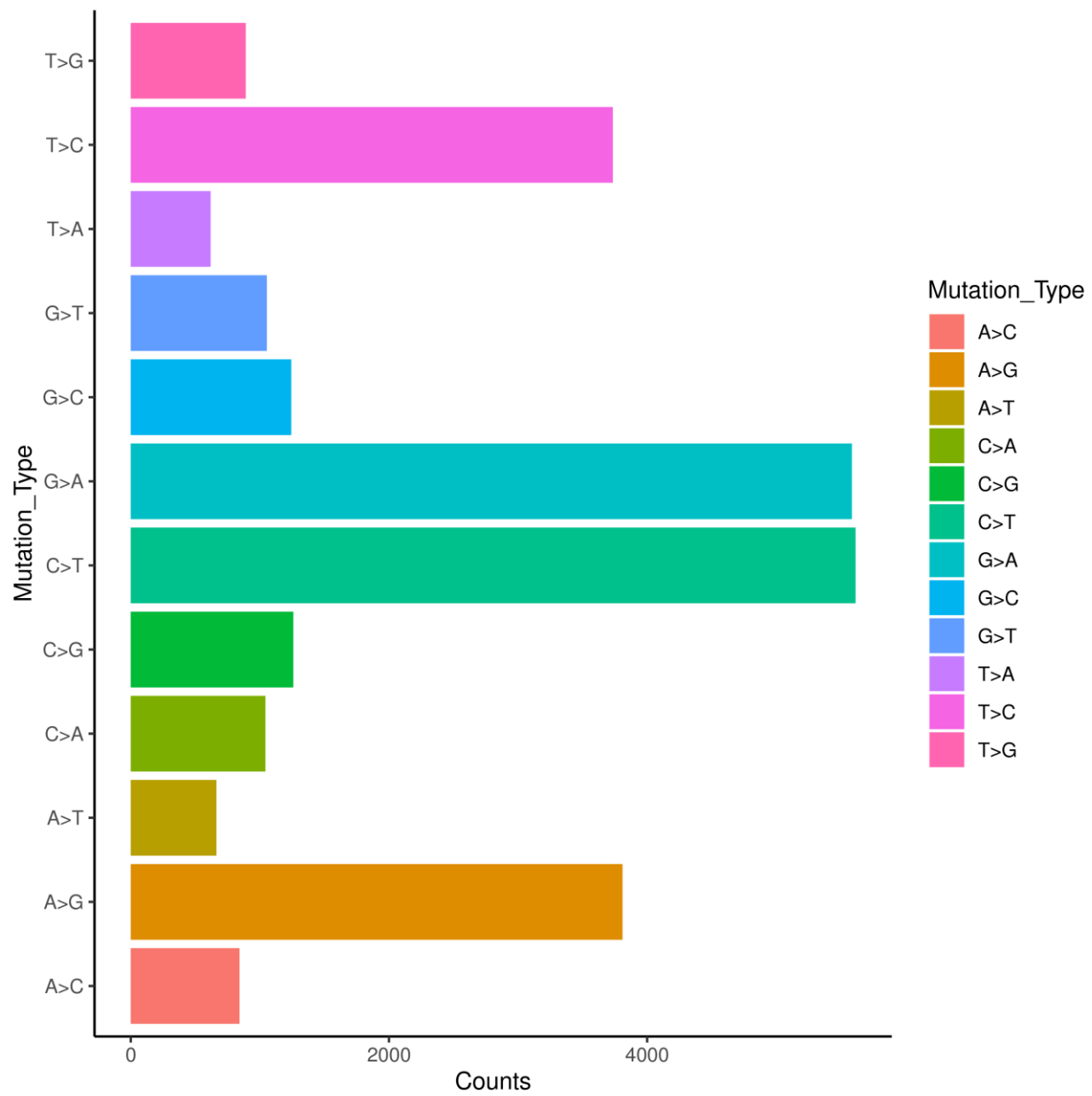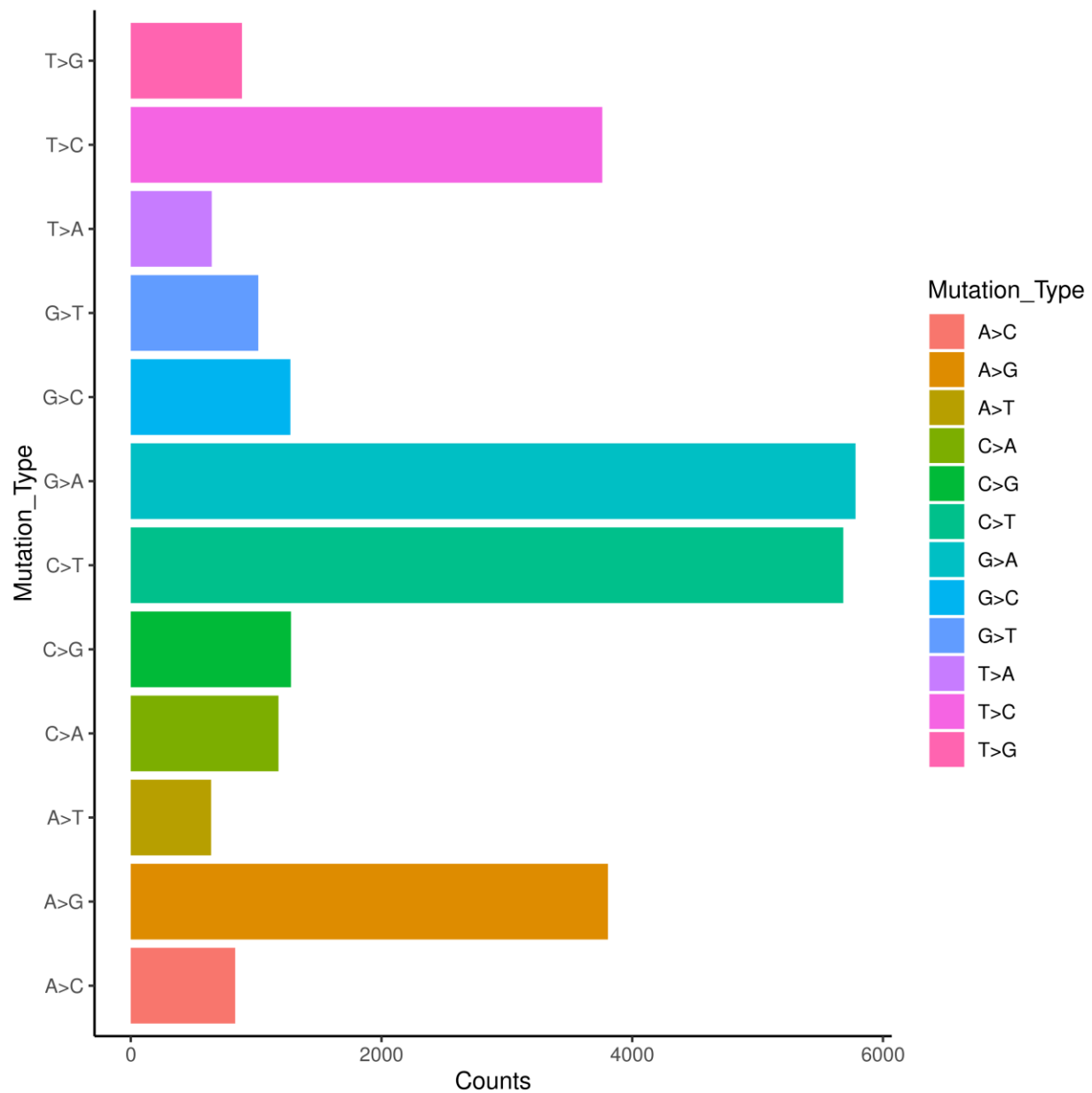| Parameter	Male		Female	
	Normal	**NASH**	**Normal**	**NASH**
Number of cases	4	4	4	4
Mean age, years, SD	54 ±12.5	56±11.3	58.4±13.3	59.5±14.5
Race (%)	White (100)	White (100)	White (100)	White (100)
Diabetes mellitus, %	75	75	75	100
Obesity, %	50	75	75	100
BMI, kg/m², SD	29.6±5.6	31±6.4	30.3±6.1	35.3±6.3
AST, U/L	12±2.6	67±11.8	26±4.7	88±14.1
ALT, U/L	44±5.1	92±10.2	52±6.1	110±10.6
Steatosis, %	<0.1	100	<0.1	100
Steatohepatitis, %	<0.1	75	<0.1	100
Ballooning, %	<0.1	50	<0.1	100
Portal Inflammation, %	<0.1	75	<0.1	100
Fibrosis, %	<0.1	50	<0.1	75

Figure S1
A)

Figure S1
B)

Figure S1. Representative of mutation spectrum analysis for NASH-associated female (A) and male (B) liver tissue samples.
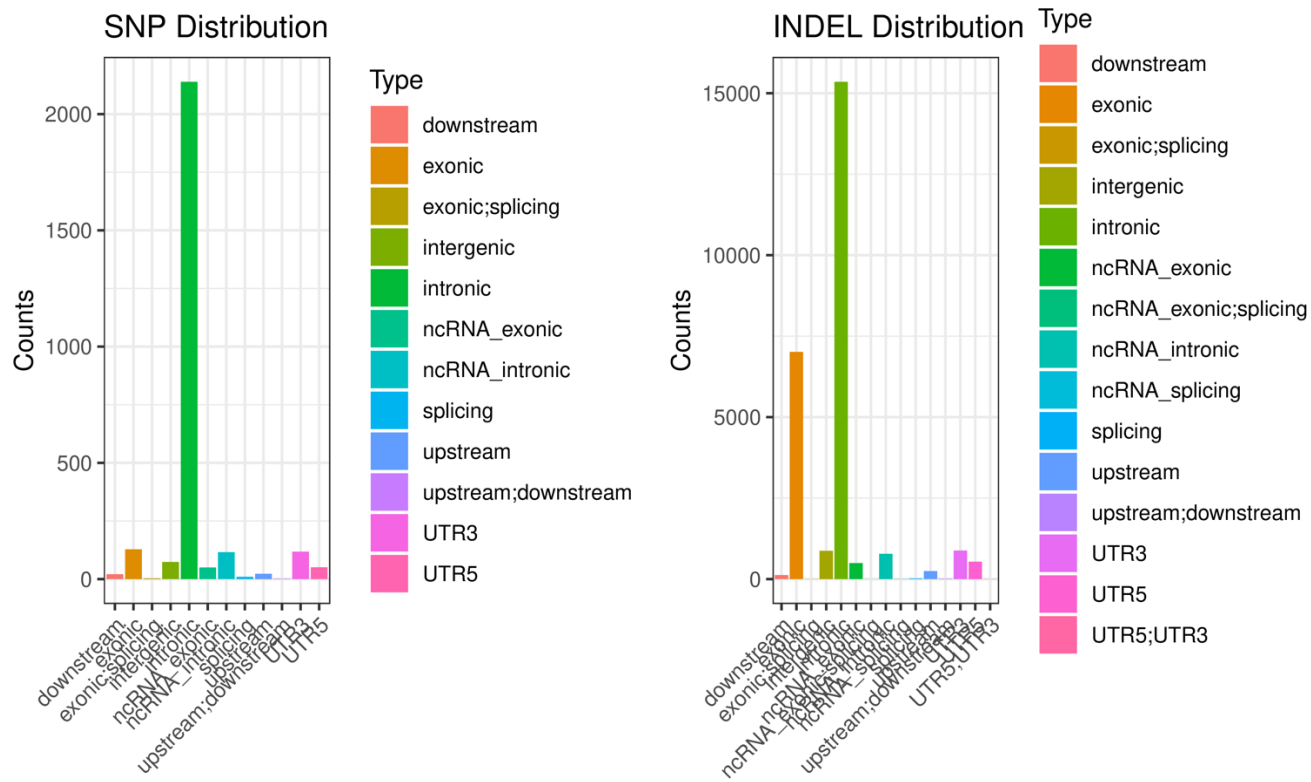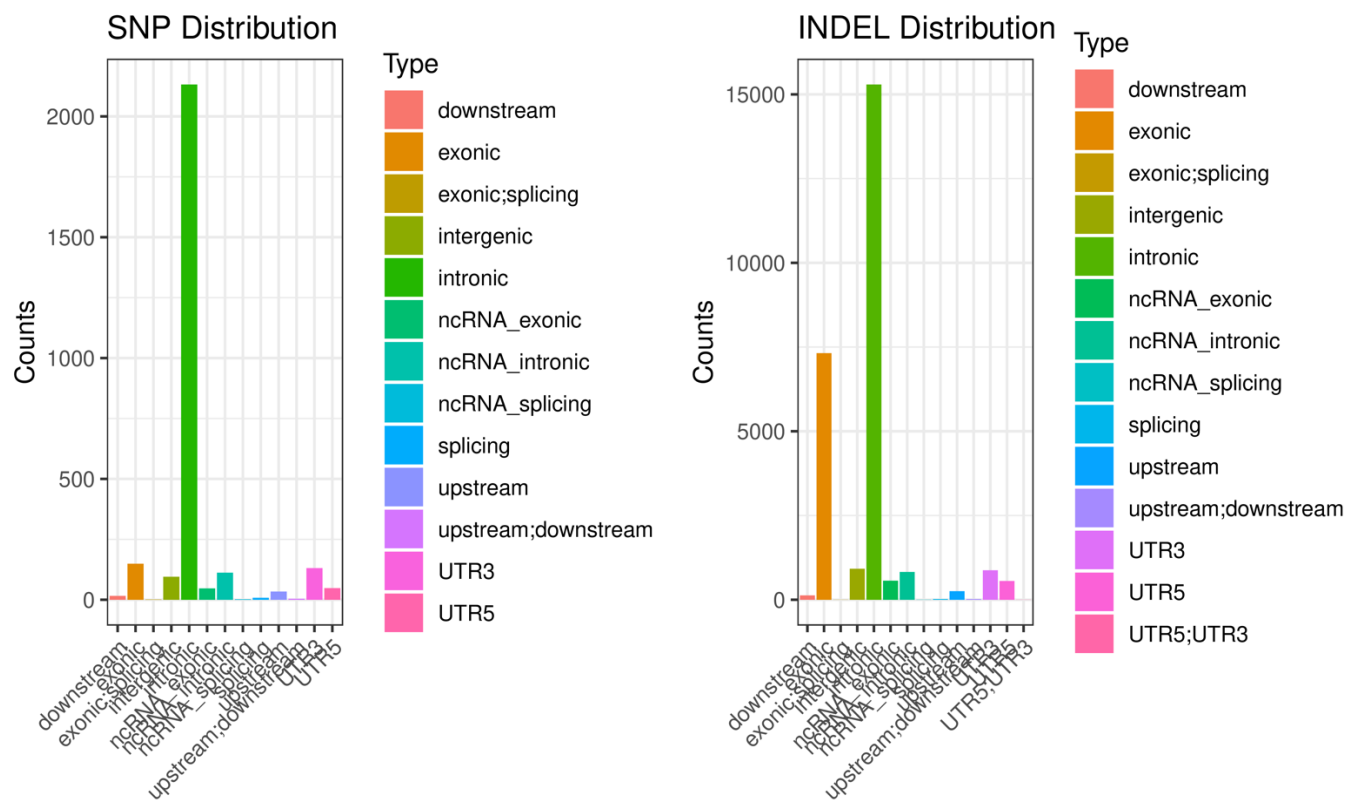
Figure S2

A)

Figure S2

B)

Figure S2. Representative of SNP and InDels spectrum analysis for NASH-associated female (A) and male (B) liver tissue samples.