

S2 Table. NGS results of plasma ctDNA and tumor gDNA from 42 lymphoma patients

Type	Subtype	Ann Arbor stage	tumor fraction	ctDNA			Tissue		
				Gene	HGVSc	VAF	Gene	HGVSc	VAF
Tissue matched	FL #1	3	95%	<i>KMT2D</i>	c.435G>A	2.6%	<i>KMT2D</i>	c.435G>A	8.0%
				<i>TNFAIP3</i>	c.175_176del	1.2%	<i>TNFAIP3</i>	c.175_176del	0.9%
				<i>SOCS1</i>	c.348C>A	2.5%	<i>SOCS1</i>	c.348C>A	7.5%
							<i>SOCS1</i>	c.125G>A	7.6%
							<i>KMT2C</i>	c.4508-6T>G	7.6%
							<i>BTG1</i>	c.149-9C>A	5.4%
							<i>B2M</i>	c.2T>C	3.8%
							<i>B2M</i>	c.22del	3.4%
							<i>NFKB2</i>	c.694C>T	0.9%
	FL #2	3	95%	<i>IRF8</i>	c.64A>T	0.6%			
							<i>CREBBP</i>	c.4391T>A	37.2%
							<i>CREBBP</i>	c.4369T>G	36.2%
							<i>BCL2</i>	c.157_158delinsTT	33.3%
							<i>FOXO1</i>	c.71C>T	32.5%
							<i>CREBBP</i>	c.4447dup	25.3%
							<i>PIM1</i>	c.225del	24.0%
							<i>BCL2</i>	c.163C>A	12.4%
							<i>FOXO1</i>	c.64T>C	4.7%
							<i>CREBBP</i>	c.4390_4391delinsCA	3.0%
							<i>TCF3</i>	c.1094-6T>G	2.8%
				<i>CIITA</i>	c.902C>T	0.4%			
	DLBCL #1	4	60%	<i>TNFRSF14</i>	c.3G>A	82.6%	<i>TNFRSF14</i>	c.3G>A	68.0%
				<i>ID3</i>	c.211C>T	11.0%	<i>ID3</i>	c.211C>T	29.0%
				<i>NFKBIA</i>	c.802C>T	45.0%	<i>NFKBIA</i>	c.802C>T	38.7%
				<i>TP53</i>	c.857A>G	67.0%	<i>TP53</i>	c.857A>G	64.2%
				<i>ID3</i>	c.166C>T	4.1%	<i>ID3</i>	c.166C>T	29.1%
				<i>JAK3</i>	c.1216C>T	0.1%	<i>JAK3</i>	c.1216C>T	0.4%
				<i>FAS</i>	c.848A>G	41.6%	<i>FAS</i>	c.848A>G	36.6%
				<i>ID3</i>	c.347G>A	16.7%	<i>ID3</i>	c.347G>A	5.3%
<i>ID3</i>				c.300+3A>C	19.4%	<i>ID3</i>	c.300+3A>C	7.0%	

			<i>EP300</i>	c.5908C>T	49.7%	<i>EP300</i>	c.5908C>T	50.9%
			<i>MYC</i>	c.58G>C	34.0%	<i>MYC</i>	c.58G>C	52.5%
			<i>MYC</i>	c.458T>G	31.0%	<i>MYC</i>	c.458T>G	51.6%
			<i>MYC</i>	c.488A>C	34.0%	<i>MYC</i>	c.488A>C	51.9%
			<i>NOTCH1</i>	c.1483G>A	50.0%	<i>NOTCH1</i>	c.1483G>A	51.0%
			<i>SPEN</i>	c.7750G>T	3.0%			
			<i>CD79A</i>	c.567+9A>C	1.9%			
			<i>CDKN2A</i>	c.329G>A	1.6%			
			<i>HIST1H1E</i>	c.236G>A	1.4%			
			<i>ARID1A</i>	c.1985G>A	0.6%			
			<i>LRP1B</i>	c.3199G>A	0.5%			
			<i>IKZF3</i>	c.1435C>T	0.5%			
			<i>IRF8</i>	c.1271T>A	0.3%			
			<i>LRP1B</i>	c.1421C>T	0.2%			
						<i>MYC</i>	c.653G>A	4.8%
						<i>REL</i>	c.641-1G>T	1.7%
						<i>ARID1A</i>	c.2377A>C	1.4%
						<i>LRP1B</i>	c.6035G>A	1.1%
						<i>BTK</i>	c.868C>T	1.0%
						<i>REL</i>	c.853+1G>A	1.0%
						<i>MTOR</i>	c.5809C>T	0.9%
						<i>KIT</i>	c.2630C>T	0.8%
						<i>BRAF</i>	c.1586C>T	0.8%
						<i>KMT2A</i>	c.10246C>T	0.7%
						<i>SPEN</i>	c.10301C>T	0.7%
						<i>ATM</i>	c.6892G>A	0.7%
						<i>BRAF</i>	c.1768G>A	0.7%
						<i>UBR5</i>	c.3077G>A	0.6%
						<i>NCOR1</i>	c.5635C>T	0.6%
						<i>KIT</i>	c.2902C>T	0.6%
						<i>STAT3</i>	c.1228C>T	0.6%
						<i>UBR5</i>	c.2295G>A	0.5%
						<i>STAT3</i>	c.2237C>T	0.5%
						<i>EZH2</i>	c.2196-1G>A	0.5%

							<i>KMT2D</i>	c.10411C>T	0.5%
							<i>NF1</i>	c.6106G>A	0.5%
							<i>CREBBP</i>	c.2446C>T	0.3%
							<i>MTOR</i>	c.5902C>T	0.3%
	FL #3	3	95%	None			<i>KLHL6</i>	c.268C>T	23.4%
							<i>CREBBP</i>	c.4463C>A	22.4%
							<i>NCOR1</i>	c.3592G>A	0.9%
							<i>MTOR</i>	c.7240G>A	0.6%
							<i>BIRC3</i>	c.934C>T	0.7%
							<i>KMT2D</i>	c.5398G>A	0.3%
							<i>KMT2D</i>	c.3920G>A	0.8%
							<i>STAT6</i>	c.1072G>A	0.5%
							<i>KLHL14</i>	c.259C>A	25.6%
							<i>JAK3</i>	c.1787-7C>T	0.7%
							<i>JAK3</i>	c.1555G>A	0.7%
							<i>ALK</i>	c.1462G>A	0.5%
							<i>KLHL6</i>	c.170T>A	22.9%
							<i>KLHL6</i>	c.247T>G	27.2%
	DLBCL #2	2	95%	<i>SPEN</i>	c.3984_3987del	2.3%	<i>SPEN</i>	c.3984_3987del	0.6%
				<i>NOTCH2</i>	c.7_8delinsTT	4.4%	<i>NOTCH2</i>	c.7_8delinsTT	0.2%
				<i>BTG2</i>	c.136C>G	1.4%	<i>BTG2</i>	c.136C>G	15.8%
				<i>BCL11B</i>	c.1591G>A	3.3%	<i>BCL11B</i>	c.1591G>A	18.3%
				<i>LRP1B</i>	c.1045G>A	1.3%	<i>LRP1B</i>	c.1045G>A	19.2%
							<i>NRAS</i>	c.182A>G	23.5%
							<i>MYC</i>	c.214C>T	20.6%
							<i>GNAI3</i>	c.1094C>T	1.6%
							<i>RBI</i>	c.2297C>T	0.4%
	DLBCL #3	2	20%	<i>KMT2D</i>	c.12310C>T	3.6%	<i>KMT2D</i>	c.12310C>T	85.2%
				<i>MYD88</i>	c.794T>C	5.2%	<i>MYD88</i>	c.794T>C	49.9%
				<i>CD79B</i>	c.589T>C	8.3%	<i>CD79B</i>	c.589T>C	91.1%
				<i>ETV6</i>	c.302A>T	2.7%	<i>ETV6</i>	c.302A>T	39.9%
				<i>SF3B1</i>	c.2584G>A	1.3%	<i>SF3B1</i>	c.2584G>A	43.8%
				<i>HIST1H1E</i>	c.394G>A	1.9%	<i>HIST1H1E</i>	c.394G>A	48.1%
				<i>PIMI</i>	c.290G>A	2.4%	<i>PIMI</i>	c.290G>A	44.4%

				<i>SF3B1</i>	c.2098A>G	0.5%			
				<i>MGA</i>	c.6775A>T	0.5%			
				<i>KIT</i>	c.1771T>G	2.7%			
				<i>PAX5</i>	c.310C>T	3.2%			
							<i>BTG1</i>	c.3G>A	22.0%
	FL #4	4	95%	<i>IRF8</i>	c.1247C>A	1.5%	<i>IRF8</i>	c.1247C>A	22.5%
				<i>KIT</i>	c.1588G>A	1.5%	<i>KIT</i>	c.1588G>A	22.7%
				<i>CREBBP</i>	c.4444T>C	2.0%	<i>CREBBP</i>	c.4444T>C	27.4%
				<i>FOXO1</i>	c.630+9A>G	3.7%	<i>FOXO1</i>	c.630+9A>G	23.1%
				<i>BCL2</i>	c.178G>A	2.2%	<i>BCL2</i>	c.178G>A	24.0%
				<i>KMT2D</i>	c.2264G>A	5.4%			
							<i>NCOR1</i>	c.3501+1G>A	1.4%
							<i>NF1</i>	c.7870-1G>A	1.4%
							<i>MTOR</i>	c.6527G>A	1.5%
							<i>CREBBP</i>	c.2954C>T	1.7%
							<i>NF1</i>	c.8417G>T	1.7%
							<i>NF1</i>	c.8425A>T	3.0%
							<i>KMT2C</i>	c.12446C>T	1.0%
							<i>SPEN</i>	c.8455T>A	2.3%
							<i>KMT2D</i>	c.8367-9T>G	28.5%
							<i>IKZF3</i>	c.1019G>A	1.1%
							<i>BCL2</i>	c.386G>A	10.0%
							<i>PLCG1</i>	c.2668A>G	2.3%
							<i>EP300</i>	c.6323A>T	3.1%
							<i>EBF1</i>	c.134+8C>T	22.8%
	FL #5	3	95%	<i>TET2</i>	c.3594_3594+7del	23.5%	<i>TET2</i>	c.3594_3594+7del	0.8%
				<i>IRF8</i>	c.187T>G	1.1%	<i>IRF8</i>	c.187T>G	23.4%
				<i>BTK</i>	c.545G>A	1.8%	<i>BTK</i>	c.545G>A	26.3%
				<i>IKZF3</i>	c.643A>C	3.0%	<i>IKZF3</i>	c.643A>C	20.3%
				<i>CD70</i>	c.143T>A	2.6%	<i>CD70</i>	c.143T>A	38.8%
				<i>CD70</i>	c.140A>G	2.3%	<i>CD70</i>	c.140A>G	39.0%
				<i>CD70</i>	c.97T>C	2.2%	<i>CD70</i>	c.97T>C	41.1%
				<i>EBF1</i>	c.481T>A	1.9%	<i>EBF1</i>	c.481T>A	22.3%
				<i>EBF1</i>	c.193T>A	2.7%	<i>EBF1</i>	c.193T>A	22.2%

				<i>ARID5B</i>	c.1882G>A	2.2%	<i>ARID5B</i>	c.1882G>A	19.8%	
				<i>BCOR</i>	c.4780G>A	1.9%	<i>BCOR</i>	c.4780G>A	18.9%	
				<i>STAT3</i>	c.1709A>C	0.7%				
							<i>KMT2D</i>	c.16504A>T	13.6%	
	DLBCL #4	2	95%		<i>None</i>			<i>BTG2</i>	c.105del	11.8%
								<i>PIM1</i>	c.114C>G	31.4%
								<i>KLHL6</i>	c.125T>G	50.0%
								<i>CREBBP</i>	c.4336C>T	30.1%
								<i>CD79B</i>	c.589T>G	37.0%
								<i>MYD88</i>	c.794T>C	29.9%
								<i>BTK</i>	c.1267G>A	18.9%
								<i>BTG2</i>	c.133G>A	58.7%
								<i>MYD88</i>	c.476G>C	31.4%
								<i>PIM1</i>	c.28G>C	33.2%
								<i>PIM1</i>	c.72G>C	39.7%
								<i>PIM1</i>	c.125C>T	31.3%
								<i>PIM1</i>	c.240+8C>T	33.7%
								<i>PIM1</i>	c.241C>T	36.0%
								<i>PIM1</i>	c.436A>T	36.5%
								<i>PIM1</i>	c.607+5G>A	28.9%
								<i>HIST1H1E</i>	c.191A>G	31.4%
								<i>HIST1H1E</i>	c.490G>A	33.0%
								<i>CD70</i>	c.163-10T>C	50.9%
					<i>KLHL6</i>	c.293+6_293+13del	1.7%			
	FL #6	3	95%		<i>KMT2D</i>	c.3754C>T	26.1%	<i>KMT2D</i>	c.3754C>T	13.6%
					<i>ARID1A</i>	c.355_365del	16.4%	<i>ARID1A</i>	c.355_365del	0.9%
					<i>KMT2D</i>	c.783del	45.7%	<i>KMT2D</i>	c.783del	14.9%
<i>CREBBP</i>					c.4507T>A	26.0%	<i>CREBBP</i>	c.4507T>A	9.3%	
<i>EZH2</i>					c.2075C>T	24.9%	<i>EZH2</i>	c.2075C>T	14.9%	
<i>IKZF3</i>					c.793A>G	27.1%	<i>IKZF3</i>	c.793A>G	14.8%	
<i>IKZF3</i>					c.785A>G	27.8%	<i>IKZF3</i>	c.785A>G	15.3%	
<i>BCL2</i>					c.585+8C>T	30.2%	<i>BCL2</i>	c.585+8C>T	12.9%	
<i>BCL2</i>					c.140G>A	36.4%	<i>BCL2</i>	c.140G>A	16.3%	
<i>EBF1</i>					c.20G>C	43.2%				

				<i>SOCS1</i>	c.8C>T	39.6%			
				<i>NFKBIA</i>	c.636+1G>A	2.7%			
				<i>PIMI1</i>	c.83-4C>T	1.9%			
							<i>FOXO1</i>	c.553C>T	15.3%
							<i>TNFRSF14</i>	c.36G>A	2.3%
FL #7	2	95%		<i>KMT2D</i>	c.10369_10370del	0.5%	<i>KMT2D</i>	c.10369_10370del	1.8%
				<i>GNAI3</i>	c.784A>C	0.6%	<i>GNAI3</i>	c.784A>C	20.7%
							<i>TNFRSF14</i>	c.218C>A	38.7%
							<i>MEF2B</i>	c.248A>T	22.0%
							<i>CD79A</i>	c.534del	20.1%
							<i>GNAI3</i>	c.52T>C	18.6%
							<i>GNAI3</i>	c.614G>A	17.2%
HL #1	4	95%		<i>TP53</i>	c.395A>G	6.0%	<i>TP53</i>	c.395A>G	4.0%
							<i>NOTCH2</i>	c.7_8delinsTT	0.2%
							<i>NFKB2</i>	c.2054G>A	0.6%
							<i>KMT2C</i>	c.2459C>T	3.9%
DLBCL #5	4	20%		<i>RHOA</i>	c.50G>T	9.5%	None		
				<i>TET2</i>	c.2749C>T	9.3%			
				<i>IDH2</i>	c.516G>T	7.2%			
				<i>TET2</i>	c.1774dup	6.5%			
DLBCL #6	1	80%		<i>SPEN</i>	c.4020G>A	8.7%	<i>SPEN</i>	c.4020G>A	18.0%
				<i>B2M</i>	c.346+1G>T	8.9%	<i>B2M</i>	c.346+1G>T	24.2%
				<i>IRF8</i>	c.238A>T	5.3%	<i>IRF8</i>	c.238A>T	17.9%
				<i>RHOA</i>	c.346G>A	11.2%	<i>RHOA</i>	c.346G>A	14.0%
				<i>ITPKB</i>	c.487G>A	6.2%	<i>ITPKB</i>	c.487G>A	12.3%
				<i>SOCS1</i>	c.197G>A	5.3%	<i>SOCS1</i>	c.197G>A	14.6%
				<i>KLHL6</i>	c.1702G>A	16.3%	<i>KLHL6</i>	c.1702G>A	38.4%
				<i>HIST1H1E</i>	c.253A>G	13.4%	<i>HIST1H1E</i>	c.253A>G	31.4%
				<i>CARD11</i>	c.685-7A>G	12.1%	<i>CARD11</i>	c.685-7A>G	20.2%
HL #2	2	90%		<i>BTG1</i>	c.86A>C	9.3%	None		
				<i>TNFAIP3</i>	c.1304dup	7.7%			
				<i>STAT6</i>	c.1260C>A	5.7%			
FL #8	3	95%		<i>BCL2</i>	c.175C>T	5.1%	<i>BCL2</i>	c.175C>T	35.3%
				<i>BCL2</i>	c.140G>A	5.2%			

	FL #9	4	95%	<i>KMT2D</i>	c.10753C>T	29.1%	<i>KMT2D</i>	c.10753C>T	33.4%	
				<i>CREBBP</i>	c.4407del	6.1%	<i>CREBBP</i>	c.4407del	22.9%	
				<i>EZH2</i>	c.1936T>A	28.5%	<i>EZH2</i>	c.1936T>A	35.1%	
				<i>KMT2D</i>	c.15149T>C	35.9%	<i>KMT2D</i>	c.15149T>C	36.0%	
				<i>CREBBP</i>	c.4304A>C	29.0%	<i>CREBBP</i>	c.4304A>C	32.6%	
				<i>BCL2</i>	c.25T>A	29.3%	<i>BCL2</i>	c.25T>A	40.4%	
				<i>NOTCH2</i>	c.710G>A	32.7%	<i>NOTCH2</i>	c.710G>A	35.6%	
	ENKTL	1	95%	None			<i>KMT2C</i>	c.1181G>A	6.1%	
							<i>DDX3X</i>	c.1628C>G	51.6%	
							<i>KMT2D</i>	c.3532C>T	27.0%	
	ctDNA only	DLBCL #7	1	-	<i>RB1</i>	c.1049+8A>G	57.5%			
					<i>NOTCH2</i>	c.6065G>T	19.7%			
					<i>PIM1</i>	c.83-5C>T	17.3%			
<i>PIM1</i>					c.82+8C>T	17.1%				
<i>PIM1</i>					c.544C>G	16.0%				
<i>DTX1</i>					c.90G>C	15.8%				
<i>LRP1B</i>					c.5954C>T	14.6%				
<i>KMT2C</i>					c.995A>G	6.7%				
FL #10		1	-	None						
MZL		1	-	<i>KMT2C</i>	c.2741G>A	5.5%				
				<i>DIS3</i>	c.2259C>A	0.2%				
FL #11		1	-	None						
DLBCL #8		4	-	<i>ASXL3</i>	c.5204G>C	11.1%				
				<i>ASXL3</i>	c.5202del	6.7%				
				<i>TET2</i>	c.290_291del	6.0%				
				<i>B2M</i>	c.199G>T	5.7%				
				<i>B2M</i>	c.358T>A	2.5%				
				<i>STAT3</i>	c.2144C>T	0.9%				
				<i>CD58</i>	c.-11_25del	0.4%				
				<i>ASXL1</i>	c.2197C>T	0.4%				
DLBCL #9		1	-	<i>TNFRSF14</i>	c.62T>A	28.2%				
				<i>DDX3X</i>	c.1679T>G	16.1%				
				<i>STAT3</i>	c.1696G>A	13.7%				

				<i>B2M</i>	c.38T>G	13.1%		
				<i>KLHL6</i>	c.1639G>A	11.3%		
				<i>HIST1H1E</i>	c.193G>A	8.4%		
				<i>SGK1</i>	c.202C>G	7.6%		
				<i>B2M</i>	c.68-2A>G	7.5%		
				<i>TET2</i>	c.3850dup	7.4%		
				<i>TET2</i>	c.2207C>G	7.1%		
				<i>SGK1</i>	c.228+6T>G	5.8%		
				<i>SOCS1</i>	c.70G>C	2.5%		
				<i>SOCS1</i>	c.46G>A	2.4%		
				<i>EGR1</i>	c.71C>G	2.3%		
				<i>SOCS1</i>	c.49G>C	2.0%		
				<i>BTG2</i>	c.142+5_142+7delinsACA	1.5%		
				<i>KLHL6</i>	c.244G>A	1.4%		
				<i>IRF8</i>	c.259A>T	1.0%		
				<i>IRF8</i>	c.163T>G	0.7%		
				<i>SGK1</i>	c.333+3A>T	0.4%		
				<i>PTEN</i>	c.29G>T	0.3%		
				<i>REL</i>	c.908T>G	0.3%		
				<i>DNMT3A</i>	c.2228C>T	0.1%		
	DLBCL #10	4	-	<i>DDX3X</i>	c.1574A>G	84.4%		
				<i>DTX1</i>	c.82T>A	42.0%		
				<i>SOCS1</i>	c.483G>A	38.4%		
				<i>TNFRSF14</i>	c.303_304+1delinsTGT	36.9%		
				<i>ATM</i>	c.2318T>C	34.5%		
				<i>KLHL6</i>	c.1639G>A	33.4%		
				<i>BTG2</i>	c.19A>G	32.5%		
				<i>TET2</i>	c.3893G>A	32.0%		
				<i>BTG2</i>	c.25A>G	31.5%		
				<i>MYD88</i>	c.617C>G	31.5%		
				<i>FOXO1</i>	c.578G>A	31.4%		
				<i>EGR1</i>	c.188G>C	30.7%		
				<i>IRF8</i>	c.238A>G	29.5%		
				<i>CD58</i>	c.94C>T	28.1%		

				<i>DTX1</i>	c.2T>C	28.0%		
				<i>KMT2A</i>	c.12C>G	27.8%		
				<i>FOXO1</i>	c.469_470delinsTA	19.5%		
				<i>TET2</i>	c.940_943del	16.0%		
				<i>CD58</i>	c.91dup	14.7%		
	DLBCL #11	3	-	<i>SPEN</i>	c.2992C>T	18.0%		
				<i>NCOR1</i>	c.1915_1915+2delinsAGG	8.1%		
				<i>DNMT3A</i>	c.1475-1G>A	1.0%		
				<i>TP53</i>	c.713G>A	0.2%		
	DLBCL #12	1	-	<i>MYD88</i>	c.794T>C	27.7%		
				<i>TBL1XR1</i>	c.809T>C	24.5%		
				<i>CD79B</i>	c.589T>A	23.3%		
				<i>EGFR</i>	c.754C>T	18.5%		
				<i>TP53</i>	c.743G>A	15.4%		
				<i>PIM1</i>	c.183C>G	7.6%		
				<i>PIM1</i>	c.62_77del	4.8%		
				<i>PIM1</i>	c.241C>T	2.4%		
				<i>SGK1</i>	c.750C>G	1.4%		
				<i>DNMT3A</i>	c.1508_1516delinsAA	1.2%		
				<i>DTX1</i>	c.259+5G>A	1.1%		
				<i>SGK1</i>	c.152+1G>A	1.0%		
				<i>SGK1</i>	c.101G>A	0.9%		
				<i>IRF4</i>	c.178C>T	0.7%		
	Mycosis fungoides	3	-	<i>PTEN</i>	c.16A>T	0.7%		
				<i>BIRC6</i>	c.6309G>A	0.4%		
				<i>LRP1B</i>	c.8610C>A	0.2%		
				<i>MTOR</i>	c.3837C>G	0.1%		
	HL #3	3	-	<i>TET2</i>	c.5158A>T	26.5%		
				<i>TET2</i>	c.1882G>T	26.4%		
				<i>RHOA</i>	c.50G>T	12.6%		
				<i>IDH2</i>	c.515G>A	11.1%		
				<i>PLCG1</i>	c.1522C>T	10.2%		
				<i>BTK</i>	c.946A>G	6.7%		

				<i>KDM6A</i>	c.4075C>T	4.2%		
	FL #12	3	-	<i>CREBBP</i>	c.4508A>T	21.6%		
				<i>KMT2D</i>	c.5707C>T	9.7%		
				<i>BCL2</i>	c.140G>A	7.7%		
				<i>TNFRSF14</i>	c.500dup	7.6%		
				<i>KMT2D</i>	c.15446_15447del	6.4%		
				<i>ASXL3</i>	c.6493A>C	1.8%		
				<i>CD79B</i>	c.553-1G>A	0.4%		
	HL #4	4	-	None				
	DLBCL #13	4	-	<i>DDX3X</i>	c.707T>C	14.3%		
				<i>BIRC6</i>	c.5896G>T	6.7%		
				<i>ITPKB</i>	c.574G>A	5.6%		
				<i>ITPKB</i>	c.-2C>G	5.5%		
				<i>STAT3</i>	c.1024G>C	5.5%		
				<i>NFKBIA</i>	c.762C>G	5.3%		
				<i>NFKBIA</i>	c.202C>T	5.3%		
				<i>PIM1</i>	c.-44G>A	5.2%		
				<i>KLHL6</i>	c.262G>A	5.0%		
				<i>STAT6</i>	c.1257C>A	4.4%		
				<i>IRF8</i>	c.1253dup	4.3%		
				<i>ITPKB</i>	c.4G>A	3.3%		
				<i>SGK1</i>	c.-3_4del	2.9%		
				<i>ITPKB</i>	c.-1T>C	2.9%		
				<i>KLHL6</i>	c.35_40delinsGGGGTTA	2.8%		
				<i>PIM1</i>	c.296G>A	1.9%		
				<i>MYD88</i>	c.649G>T	1.4%		
				<i>ITPKB</i>	c.163_183del	1.4%		
				<i>MYC</i>	c.158G>C	1.0%		
				<i>DNMT3A</i>	c.1015-1G>C	1.0%		
				<i>KMT2C</i>	c.976C>T	0.9%		
				<i>KIT</i>	c.292A>G	0.5%		
				<i>KRAS</i>	c.351A>C	0.4%		
				<i>ASXL1</i>	c.2564_2567del	0.3%		
	DLBCL #14	2	-	<i>TBLIXR1</i>	c.809T>G	3.2%		

				<i>RB1</i>	c.1363C>T	2.9%			
	DLBCL #15	4	-	<i>MEF2B</i>	c.769+2T>G	14.3%			
				<i>KLHL6</i>	c.142A>T	10.6%			
				<i>KLHL6</i>	c.1040G>A	10.7%			
				<i>HIST1H1E</i>	c.311C>T	9.9%			
	AITL	4	-	<i>TET2</i>	c.2746C>T	66.7%			
				<i>DNMT3A</i>	c.2322+1G>A	42.6%			
				<i>IDH2</i>	c.515G>A	16.3%			
				<i>RHOA</i>	c.50G>T	13.8%			
				<i>TET2</i>	c.2702dup	9.6%			
				<i>DNMT3A</i>	c.1429+2T>G	9.4%			
				<i>TET2</i>	c.3500+2dup	9.1%			
				<i>LRP1B</i>	c.12514+1G>A	7.3%			
				<i>FYN</i>	c.526C>T	1.1%			
	DLBCL #16	3	-	<i>BTG1</i>	c.122G>A	6.1%			
				<i>BTG1</i>	c.148+2_148+9del	5.8%			
				<i>PIM1</i>	c.155C>T	5.8%			
				<i>KLHL6</i>	c.268C>G	5.3%			
				<i>BTG1</i>	c.42G>C	5.3%			
				<i>ETV6</i>	c.183G>A	5.3%			
				<i>SETD2</i>	c.4380del	5.2%			
				<i>MYD88</i>	c.734C>T	4.8%			
				<i>BCL2</i>	c.133G>A	4.2%			
				<i>CD79B</i>	c.589T>C	3.9%			
				<i>PIM1</i>	c.190-8G>A	3.8%			
				<i>PIM1</i>	c.72G>C	3.7%			
				<i>PIM1</i>	c.182A>G	3.6%			
				<i>BTG2</i>	c.191G>C	3.5%			
				<i>BTG2</i>	c.213_214delinsTT	3.3%			
				<i>MYD88</i>	c.390G>C	2.0%			
				<i>DNMT3A</i>	c.2597+1G>A	1.0%			
	DLBCL #17	1	-	<i>DNMT3A</i>	c.2222C>A	2.9%			
	HL #5	3	-	<i>KMT2A</i>	c.10074T>A	2.9%			
				<i>ASXL3</i>	c.1888G>A	1.8%			

	DLBCL #18	4	-	<i>MGA</i>	c.3480G>A	1.1%		
				<i>TRAF3</i>	c.1206G>A	0.7%		
				<i>EP300</i>	c.4355C>T	18.8%		
				<i>TNFRSF14</i>	c.388C>T	16.6%		
				<i>KMT2D</i>	c.10804C>T	15.9%		
				<i>TP53</i>	c.716A>G	7.6%		
				<i>ARID1A</i>	c.283_326del	4.0%		
				<i>KMT2D</i>	c.2456dup	2.9%		
				<i>BTG1</i>	c.68C>T	2.4%		
				<i>EP300</i>	c.5195G>A	2.4%		
				<i>TNFAIP3</i>	c.1223C>G	2.1%		
				<i>BCL2</i>	c.386G>A	1.6%		
				<i>KLHL6</i>	c.1460A>G	1.6%		
				<i>BCL2</i>	c.408G>C	1.4%		
	<i>EZH2</i>	c.2075C>T	0.7%					
	<i>TNFAIP3</i>	c.1475dup	0.5%					
	DLBCL #19	3	-	<i>BTK</i>	c.545G>A	70.0%		
				<i>MYD88</i>	c.794T>C	64.6%		
				<i>TBLIXR1</i>	c.971_973del	40.6%		
				<i>LRP1B</i>	c.6839G>A	24.9%		
				<i>CD58</i>	c.498T>A	22.9%		
				<i>HIST1H1E</i>	c.566C>T	21.5%		
				<i>TP53</i>	c.814_841del	21.2%		
				<i>PIM1</i>	c.4C>G	20.3%		
				<i>CD58</i>	c.352_355del	18.4%		
				<i>PIM1</i>	c.290G>A	16.3%		
				<i>BTG1</i>	c.148+6C>T	11.0%		
				<i>SGK1</i>	c.12G>A	4.5%		
				<i>PIM1</i>	c.550C>T	4.3%		
				<i>CREBBP</i>	c.4306A>T	0.5%		
	DLBCL #20	3	-	<i>SPEN</i>	c.3434C>A	56.1%		
				<i>FBXW7</i>	c.1484A>C	34.9%		
				<i>HIST1H1E</i>	c.433G>C	30.0%		
<i>TP53</i>				c.570dup	25.1%			

				<i>HIST1H1E</i>	c.494C>T	24.2%			
				<i>HIST1H1E</i>	c.491C>T	24.1%			
				<i>SOCS1</i>	c.523C>T	22.1%			
				<i>NOTCH2</i>	c.6792C>A	16.2%			
				<i>PIM1</i>	c.607+6C>T	4.8%			
	DLBCL #21	4	-	<i>BTG2</i>	c.28C>T	37.2%			
				<i>BCL2</i>	c.386G>A	31.4%			
				<i>BCL2</i>	c.400G>A	31.0%			
				<i>CREBBP</i>	c.3243dup	30.4%			
				<i>BCL2</i>	c.585+7G>A	26.8%			
				<i>KDM6A</i>	c.4176+1G>C	9.8%			
				<i>TP53</i>	c.375G>A	9.5%			
				<i>B2M</i>	c.358T>G	2.4%			

AITL, angioimmunoblastic T-cell lymphoma; ctDNA, circulating tumor DNA; DLBCL, diffuse large B cell lymphoma; ENKTL, extranodal NK/T cell lymphoma; FL, follicular lymphoma; HGVS, Human Genome Variation Society nomenclature; HL, Hodgkin lymphoma; MZL, marginal zone lymphoma; NGS, next-generation sequencing; VAF, variant allele frequencies.