

Copy number variation (CNV) analysis				Document No.	2018-06
				Issue date	2018-10-15
<b>Stem cell Information</b>					
Stem cell line	DKH090i-A			Institute	KSCR
Cell type	hiPSC			Inspection date	2018-07-27
Banking status	Internal Deposited Cell Line Banking			Issue date	2018-10-15
Passage	p6				
Note					
<b>Experiment type</b>					
<b>SNP chip</b>					
Platform	Affymetrix CytoscanHD		Analysis program	ChAS 3.1	
Reference	hg19		Analysis document	SOP#26-Ver.4	
<b>Statistics</b>					
		<b>Total</b>	<b>Gain</b>	<b>Loss</b>	
the number of total CNVs		4			
the number of manually filtered CNVs		3	3	0	
the number of CNVs excluded Korean normal CNV DB (KGVDB)		3	3	0	
<b>Result of Data Analysis</b>					
List of CNVs					
	<b>Total</b>	<b>Gain</b>	<b>Loss</b>	<b>Cytoband</b>	
<b>The number of total CNV calls</b>	<b>3</b>	<b>3</b>	<b>0</b>		
The number of Pathogenic CNVs	2	2	0	14q32.33, 15q13.3	
The number of Recurrent CNVs	.	.	.		
The number of stemness-related CNVs	.	.	.		
The number of Differentiation-related CNVs	.	.	.		
The number of cancer-related CNVs	.	.	.		
The number of immunogenicity-related CNVs	.	.	.		
*Recurrent CNVs include CNV gain on 1q41, 12p13.31, 17q25.2 and 20q11.21, CNV loss on 10p11.22					
<b>Interpretation</b>					

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chr	Cytoband	chr_start	chr_end	length (kbp)	Copy Number	CNV	Genes	OMIM Gene counts	OMIM genes (Phenotype)	Recurrent CNV	Cancer-related	Stemness- related	Differentiation- related	immunogenicity- related	KGVDDB
8	p23.3	2,142,110	2,397,865	255.755	3	Gain	LOC101927815	0		.	.	.	.	.	No
14	q32.33	106,329,183	106,728,149	398.966	4	Gain	KIAA0125, ADAM6	1	KIAA0125 (616623)	.	.	.	.	.	No
15	q13.3	32,020,432	32,446,830	426.398	3	Gain	CHRNA7	1	CHRNA7 (118511)	.	.	.	.	.	No