Table 1: Types of changes to the gene symbols from the original data to the preprocessed data.

	A	B	C	D	E	F	G	H	I	J	K
prefrontal	1384	1046	1045	1	0	452	305	147	33	1384	0
cerebellum	1410	1072	1071	1	0	461	305	156	33	1410	0
temporal	1410	1062	1061	1	0	461	316	145	32	1410	0
pons	1411	1056	1055	1	0	462	318	144	37	1411	0

Table 2: Definitions of column labels in Table 1 and examples of different types of symbol changes.

	Column_label	Description	Examples
1	A.	Symbols changed	
2	B.	Original *ORF*	*C9ORF23, C20ORF58*
3	C.	*ORF* to *orf*	*C9ORF23 ⇒ C9orf23*
4	D.	*ORF* to other	*C20ORF58 ⇒ NKAIN4*
5	E.	*ORF* unchanged	
6	F.	Original *LOCxx*	*LOC646531, LOC440093*
7	G.	*LOCxx* to other	*LOC646531 ⇒ YBX1P2*
8	H.	*LOCxx* unchanged	
9	I.	*nonLOC*, *nonORF* changes	*FLJ20105 ⇒ ERCC6L*
10	J.	Accounted changes	
11	K.	Unaccounted changes	