Focal cortical dysplasia (FCD)/mosaicism panel:
The panel consists of 17 genes previously described as being involved in the development of focal epilepsy due to cortical dysplasia. In addition, the panel contain 4 candidate genes* (Weckhuysen *et al*., 2016, Epilepsia 57:994-1003).

This panel is relevant for test of genetic mosaicism in brain biopsies form patients with focal epilepsy who have undergone surgical treatment.

Table showing the 21 genes in the FCD/mosaicism panel:

Gene	Reference_NM	OMIM_ID
AKT3	NM_005465.4	615937
CTNNA2	NM_001164883.1	114025
CNTNAP2	NM_014141.5	604569
DEPDC5	NM_001242896.1	614191
MIOS*	NM_019005.3	615359
MTOR	NM_004958.3	601231
NPRL2	NM_006545.4	607072
NPRL3	NM_001077350.2	600928
NUP133	NM_018230.2	607613
PIK3CA	NM_006218.3	602501
PTEN	NM_000314.8	605309
RHEB	NM_005614.3	601293
SLC35A2	NM_001042498.2	300896
SEC13*	NM_001182095.1	600152
SEH1L*	NM_001013437.2	609263
TSC1	NM_000368.4	605284
TSC2	NM_000548.4	191092
TUBB2B	NM_178012.4	612850
TGIF1	NM_170695	142946
WDR24*	NM_032259.4	617418
WDR59	NM_030581	617418