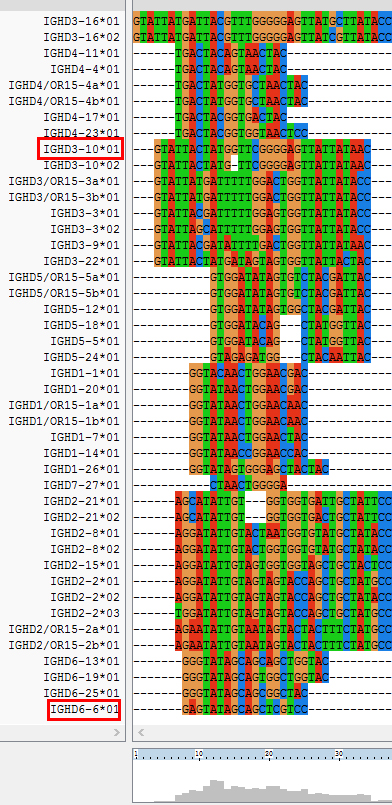
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**Fig. S4** Alignment of IGHD germlines. IGHD germlines were aligned using clustalX2.