

The figure displays a heatmap of variant frequencies across 1000 samples. The y-axis represents the frequency of variants, with labels 0.0, 0.2, 0.4, 0.6, 0.8, and 1.0. The x-axis represents the variant, with labels 0.0, 0.2, 0.4, 0.6, 0.8, and 1.0. The heatmap shows a dense pattern of gray bars, indicating the frequency of variants across the samples. Below the heatmap, a detailed gene structure diagram is shown, with labels for various genes and features, including *CD44*, *CD44-AS1*, *CD44-AS2*, *CD44-AS3*, *CD44-AS4*, *CD44-AS5*, *CD44-AS6*, *CD44-AS7*, *CD44-AS8*, *CD44-AS9*, *CD44-AS10*, *CD44-AS11*, *CD44-AS12*, *CD44-AS13*, *CD44-AS14*, *CD44-AS15*, *CD44-AS16*, *CD44-AS17*, *CD44-AS18*, *CD44-AS19*, *CD44-AS20*, *CD44-AS21*, *CD44-AS22*, *CD44-AS23*, *CD44-AS24*, *CD44-AS25*, *CD44-AS26*, *CD44-AS27*, *CD44-AS28*, *CD44-AS29*, *CD44-AS30*, *CD44-AS31*, *CD44-AS32*, *CD44-AS33*, *CD44-AS34*, *CD44-AS35*, *CD44-AS36*, *CD44-AS37*, *CD44-AS38*, *CD44-AS39*, *CD44-AS40*, *CD44-AS41*, *CD44-AS42*, *CD44-AS43*, *CD44-AS44*, *CD44-AS45*, *CD44-AS46*, *CD44-AS47*, *CD44-AS48*, *CD44-AS49*, *CD44-AS50*, *CD44-AS51*, *CD44-AS52*, *CD44-AS53*, *CD44-AS54*, *CD44-AS55*, *CD44-AS56*, *CD44-AS57*, *CD44-AS58*, *CD44-AS59*, *CD44-AS60*, *CD44-AS61*, *CD44-AS62*, *CD44-AS63*, *CD44-AS64*, *CD44-AS65*, *CD44-AS66*, *CD44-AS67*, *CD44-AS68*, *CD44-AS69*, *CD44-AS70*, *CD44-AS71*, *CD44-AS72*, *CD44-AS73*, *CD44-AS74*, *CD44-AS75*, *CD44-AS76*, *CD44-AS77*, *CD44-AS78*, *CD44-AS79*, *CD44-AS80*, *CD44-AS81*, *CD44-AS82*, *CD44-AS83*, *CD44-AS84*, *CD44-AS85*, *CD44-AS86*, *CD44-AS87*, *CD44-AS88*, *CD44-AS89*, *CD44-AS90*, *CD44-AS91*, *CD44-AS92*, *CD44-AS93*, *CD44-AS94*, *CD44-AS95*, *CD44-AS96*, *CD44-AS97*, *CD44-AS98*, *CD44-AS99*, *CD44-AS100*. The diagram shows the structure of the *CD44* gene, including exons and introns, and the location of various variants.

