Table 1: The results of MDMR on the ABIDE dataset using three different distance metrics and regularising the functional connectivity matrices with $\lambda = 1$. Each row represents a significant predictor at the 5% level; the sex predictor for the correlation metric was retained because it is borderline significant. Geometric-MDMR was the only option to detect a group-based difference in this data.

	$\tilde{F}$	$\tilde{R}^2$	P-value
Geometric			
Overall	0.033	0.032	<0.001
Age	0.012	0.012	<0.001
Group	0.007	0.007	0.004
Sex	0.007	0.007	0.014
Eye Status	0.008	0.007	0.001
Euclidean			
Overall	0.021	0.021	<0.001
Age	0.013	0.012	0.001
Eye Status	0.009	0.009	0.02
Correlation			
Overall	0.030	0.029	<0.001
Age	0.014	0.013	<0.001
Sex	0.007	0.007	0.057
Eye Status	0.009	0.009	0.001

Table 2: The results of MDMR on the ABIDE dataset using three different distance metrics and regularising the functional connectivity matrices with $\lambda = 1$. Each row represents a significant predictor at the 5% level; the sex predictor for the correlation metric was retained because it is borderline significant. Geometric-MDMR was the only option to detect a group-based difference in this data.

	Geometric	Euclidean	Correlation
$\tilde{F}$	0.007	0.007	0.007
$\tilde{R}^2$	0.007	0.007	0.006
\textit{p}-value	0.004	0.090	0.105