

Supporting Information:
Structural Abnormalities in the Hair of a Patient with a Novel
Ribosomopathy

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Feature	M	F	S1	S2	S3	P
Keratin peak centre (\AA^{-1})	0.662 ± 0.003	0.669 ± 0.004	0.665 ± 0.003	0.662 ± 0.003	0.661 ± 0.003	0.666 ± 0.003
Keratin peak width (\AA^{-1})	0.150 ± 0.006	0.151 ± 0.006	0.146 ± 0.006	0.150 ± 0.005	0.156 ± 0.006	0.154 ± 0.006
1 st Lipid peak centre (\AA^{-1})	1.42 ± 0.02	1.42 ± 0.02	1.43 ± 0.02	1.45 ± 0.01	1.43 ± 0.02	1.41 ± 0.02
1 st Lipid peak width (\AA^{-1})	0.26 ± 0.02	0.29 ± 0.03	0.28 ± 0.03	0.31 ± 0.02	0.27 ± 0.02	0.29 ± 0.03
Amorphous peak centre (\AA^{-1})	1.80 ± 0.04	1.83 ± 0.05	1.82 ± 0.04	1.89 ± 0.03	1.81 ± 0.03	1.81 ± 0.04
Amorphous peak width (\AA^{-1})	0.34 ± 0.05	0.34 ± 0.05	0.34 ± 0.05	0.34 ± 0.05	0.34 ± 0.05	0.34 ± 0.05
2 nd Lipid peak centre (\AA^{-1})	2.59 ± 0.07	2.67 ± 0.05	2.63 ± 0.05	2.64 ± 0.03	2.65 ± 0.03	2.86 ± 0.05
2 nd Lipid peak width (\AA^{-1})	0.51 ± 0.18	0.50 ± 0.15	0.40 ± 0.15	0.40 ± 0.15	0.40 ± 0.15	0.61 ± 0.20

TABLE A. **Parameters determined from the fits to wide-angle data.** No differences in position or width of the features are observed indicative that the molecular structure of coiled-coil keratin phase and structure of intermediate filaments is identical within the experimental error between family members.