EXECUTIVE COVER SHEET & MASTER OVERVIEW

SLY Archaeogenetic Master Dossier (v8.1 Consolidated)

Multi-Platform Haplotype Continuity, Trio Global25 Phasing, 8,666-Marker GRCh37 Audit & Addendum A Expansion

Primary Subject: SLY (BXWEAO_scaled | GEDmatch ZZ9376049 / SurfTone | Female XX, b. 1954) • **Parental Controls:** Father TVIPUB_scaled (b. 1927, Székely / Galician-Rus') & Mother ILAWCS_scaled (Central-Western European) • **Primary Royal Reference:** King Saint Ladislaus I of Hungary (SZTL, d. 1095 CE; Kits KJ9269628 & NJ5939229) • **Assembly:** GRCh37 (hg19)

8,666 SNPs	57.4 cM (15 Cores)	110.17 Mb + 37 PAR1	0.0162 / 0.0190
100% IBS ≥ 1 CONCORDANCE	62.7–75.0 CM FULL HIR	UNRECOMBINED 1888 SZÉKELY X	#1 BÁTHORY & #3 ABA G25

Executive Summary of Consolidated Findings (Pages 1–6)

1. Unrecombined 1888 Székely Paternal X-Chromosome Audit (Chr 23 & PAR1) — Pages 1–2

Because fathers pass their single X chromosome to daughters without recombination, SLY's father (b. 1927) transmitted his Transylvanian Székely mother's (b. 1888) X chromosome intact. Phased paternal X calls match King Saint Ladislaus I (SZTL) across **110.17 Mb** (MAOA → EDA2R x3 → G6PD) plus **37/37 markers** in PAR1 (Xp22.33) with zero opposing homozygotes.

2. Deep-Time Volga-Ural Trajectory & Trio Global25 Partitioning — Pages 2–3

Traces a 6,800-year genetic relay from Karelian and Samara EHG foragers (5900–5000 BC) through Yamnaya, Potapovka, Srubnaya, Cimmerian, Hun/Gepid, and **Karos-Eperjesszög Conqueror elites (950 AD)**. Trio G25 partitioning separates Father TVIPUB (Transylvanian Székely / Carpathian-Pannonian + Steppe spikes on Chr 1, 4, 20) from Mother ILAWCS (Central-Western / Alpine-Germanic).

3. Master 15-Segment Distal ROH Registry (57.4 cM / 8,624 Autosomal SNPs) — Pages 3–4

Audits **15 non-pileup outer-chromosome segments** replicated across both King Ladislaus I GEDmatch uploads (KJ9269628 & NJ5939229), verified by unbroken Runs of Homozygosity up to **85 consecutive SNPs** (TSC2 on Chr 16) and **60 consecutive SNPs** (ABCB11 on Chr 2).

4. Five-Chromosome Relay & Universal Aristocratic Core Markers — Pages 4–5

Maps stacking pericentromeric segments across **Chromosomes 6, 11, 15, 16, and 20** across ten historical strata, alongside **8 universal core gene markers** (LPA, DLX5, MC1R, APOE, COMT, TSC2, FTO, FUT2) shared with Conqueror, Árpád, Aba, Báthory, and Corvinus elites.

5. Trio G25 Vectors & Addendum A Maternal Expansion (Byzantine & Merovingian) — Pages 5–6

Provides raw G25 coordinates (BXWEAO, TVIPUB, ILAWCS) and integrates **13 newly audited segments** from Byzantine Anatolia (I14843, 550 AD) and Merovingian Rhineland/Bavaria (IND003, IND005, IND014, Alh_117, 600 AD), constructing a continuous **29.80 Mb spine on Chr 19** into the homozygous APOE–FUT2 core.

Four-Pillar Medieval Elite Coverage (MKI iScience Framework)

1. Magyar Conquerors

Karos I/II (K1-1, K2-61), Szeged (CSU-11), Vörs-Papkert (VPB-310, #9 match at 62.87 cM).

2. Árpád Royals

King Saint Ladislaus I (SZTL), King Béla III, Prince András (HU52, 8/8 full match).

3. Kievan Rus' Rurikids

Duke Béla of Macsó (BPDOM01, Top 95%), Izyaslav (VK541), Dmitry (NEV2).

4. Late-Medieval Magnates

Báthory (PER03-1/05, #1 G25 at 0.0162), House of Aba (HUAS261F, #3 G25 at 0.0190), Corvinus (CJM).

Document Usage Note: Designed as a standalone executive cover page for the 6-page *SLY Archaeogenetic Master Dossier (v8.1 Consolidated)* and companion quick-reference handouts.