Additional file 1: Text S1

Modified DNA extraction protocol used with the DNeasy Blood and Tissue Kit (Qiagen, Venlo, Netherlands)

1. Homogenized sample in 170µl Buffer ATL. Added 30µl Proteinase K, mixed by vortexing, and incubated approximately 60-72 hours at 56°C. Vortexed for 15 seconds before proceeding.
2. Followed steps 2-7 as written in the Quick-Start Protocol.
3. Eluted DNA by adding 50µl dH_2O, incubating at room temperature for 1 minute, and centrifuging at 8,000 rpm for 1 minute.
4. Repeated elution as outlined in the previous step for a total eluted volume of 100µl.

Modified DNA extraction protocol used with the ZR Genomic DNA-Tissue MiniPrep (Zymo Research, Irvine, CA, USA)

1. Homogenized sample in a solution of 50µl 2X Digestion Buffer, 50µl dH_2O, and 5µl Proteinase K.
2. Incubated approximately 36-48 hours at 55°C.
3. Added 250µl Genomic Lysis Buffer and vortexed. Centrifuged at 10,000 rpm for 1 minute.
4. Followed steps 4-6 as written in the Solid Tissue Protocol, using half of the listed reagent volume (i.e. 100µl DNA Pre-Wash Buffer in step 5 and 200µl g-DNA Wash Buffer in step 6). Transferred the spin column to a new microcentrifuge tube.
5. Eluted DNA by adding 25µl DNA Elution Buffer, incubating at room temperature for 2-5 minutes, and centrifuging at top speed for 30 seconds.
6. Repeated elution as outlined in the previous step for a total eluted volume of 50µl.