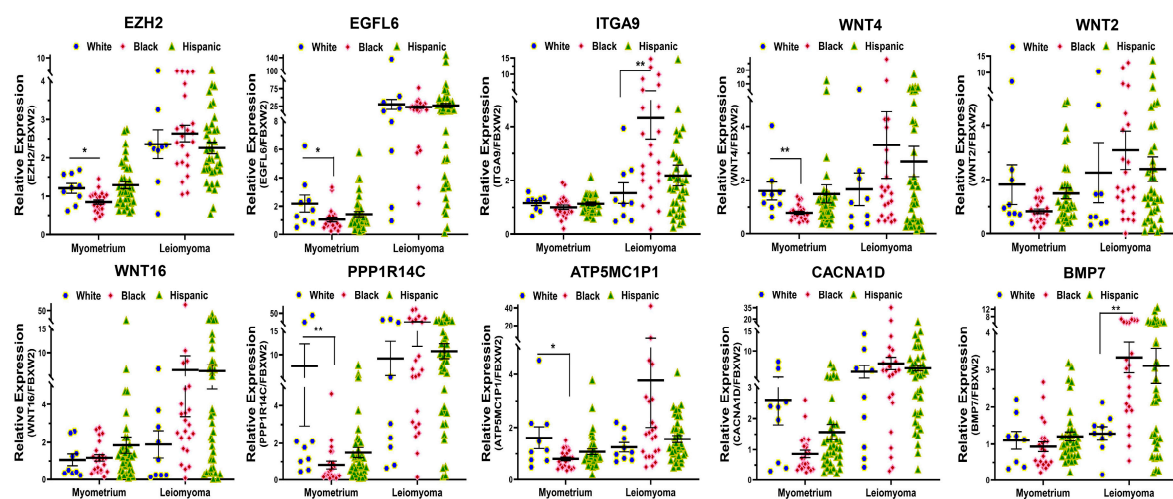
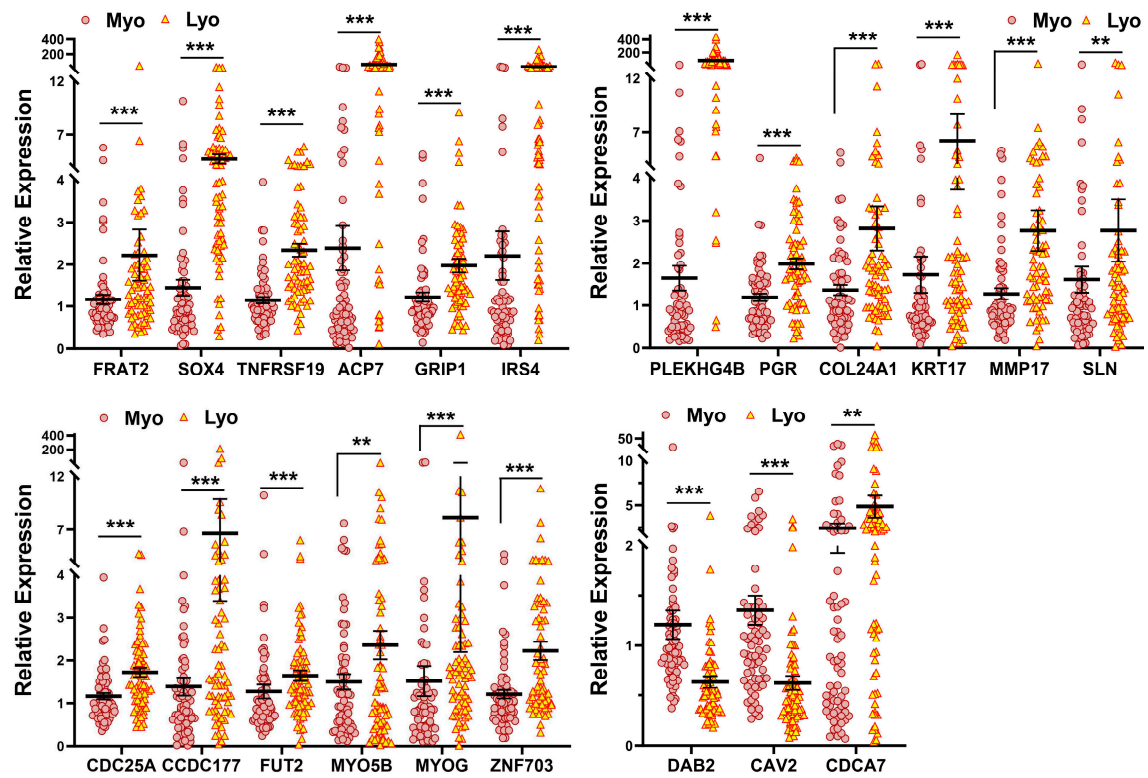


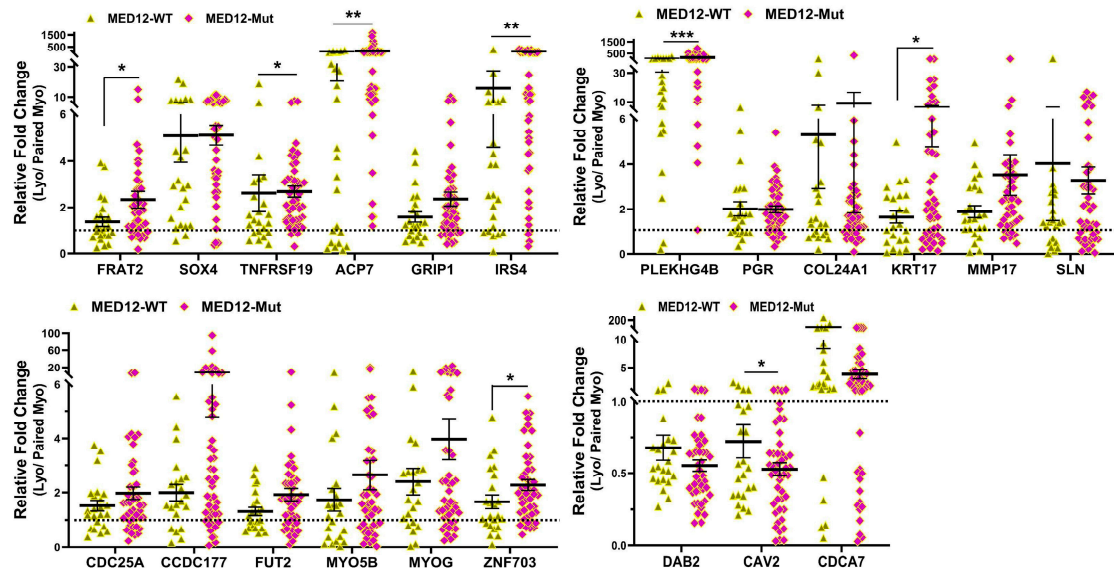
Supplementary Figure S1: The mRNA expression of *EZH2*, *EGFL6*, *ITGA9*, *WNT4*, *WNT2*, *WNT16*, *PPP1R14C*, *ATP5MC1P1*, *CACNA1D* and *BMP7* expressed as fold change (Lyo/ paired Myo) in White (n=9), Black (n=23) and Hispanic group (n=37) by qRT-PCR. The results are presented as mean ± SEM with P values (*P<.05; **P<.01; ***P<.001) as indicated by the corresponding lines.



Supplementary Figure S2: The mRNA expression of *EZH2*, *EGFL6*, *ITGA9*, *WNT4*, *WNT2*, *WNT16*, *PPP1R14C*, *ATP5MC1P1*, *CACNA1D* and *BMP7* expressed in myometrium and leiomyomas in White (n=9), Black (n=23) and Hispanic group (n=37). The results are presented as mean ± SEM with P values (*P<.05; **P<.01) as indicated by the corresponding lines.



Supplementary Figure S3: The expression of select genes (*FRAT2*, *SOX4*, *TNFRSF19*, *ACP7*, *GRIP1*, *IRS4*, *PLEKHG4B*, *PGR*, *COL24A1*, *KRT17*, *MMP17*, *SLN*, *CDC25A*, *CCDC177*, *FUT2*, *MYO5B*, *MYOG*, *ZNF703*, *DAB2*, *CAV2* and *CDCA7*) comparing myometrium with its paired leiomyomas (n=69) by qRT-PCR. The results are presented as mean \pm SEM with P values (**P<.01; ***P<.001) indicated by corresponding lines.



Supplementary Figure S4: The expression of mRNA for *FRAT2*, *SOX4*, *TNFRSF19*, *ACP7*, *GRIP1* and *IRS4*, *PLEKHG4B*, *PGR*, *COL24A1*, *KRT17*, *MMP17* and *SLN*, *CDC25A*, *CCDC177*, *FUT2*, *MYO5B*, *MYOG* and *ZNF703*, *DAB2*, *CAV2* and *CDCA7* expressed as fold change (Lyo/ paired Myo) in MED12 mutated (n=46) and non-mutated (n=23) specimens by qRT-PCR. The results are presented as mean \pm SEM with P values (*P<.05; **P<.01; ***P<.001) as indicated by the corresponding lines.