

FIG. 1A

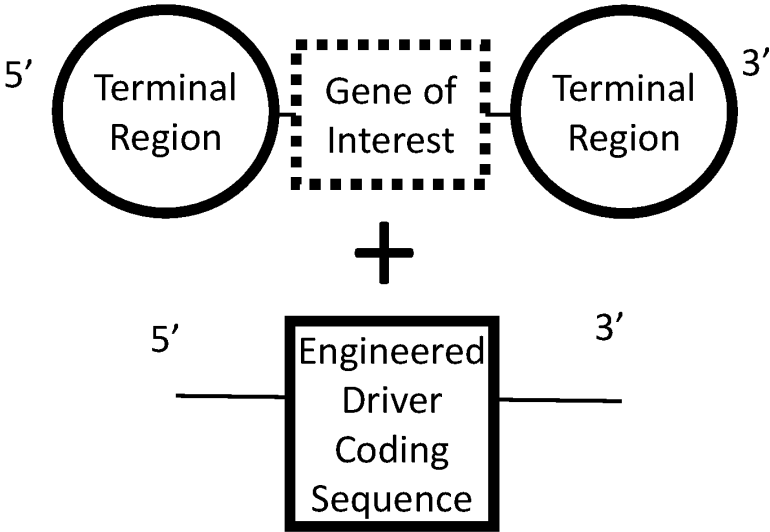


FIG. 1B

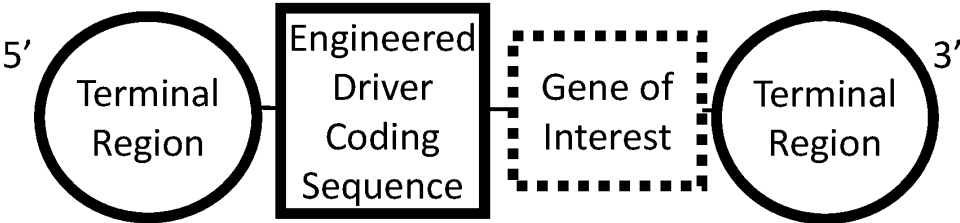


FIG. 1C

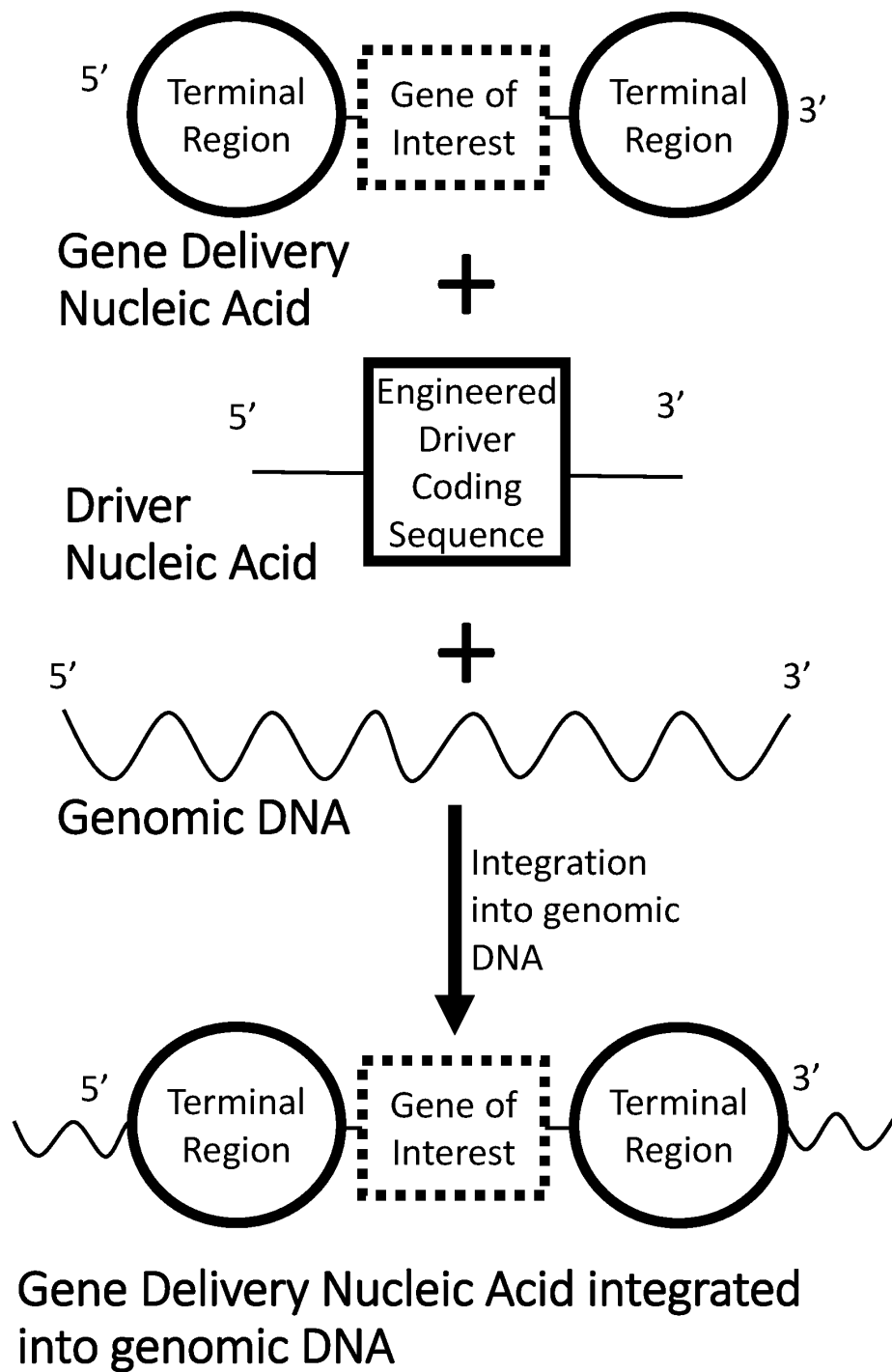


FIG. 1D

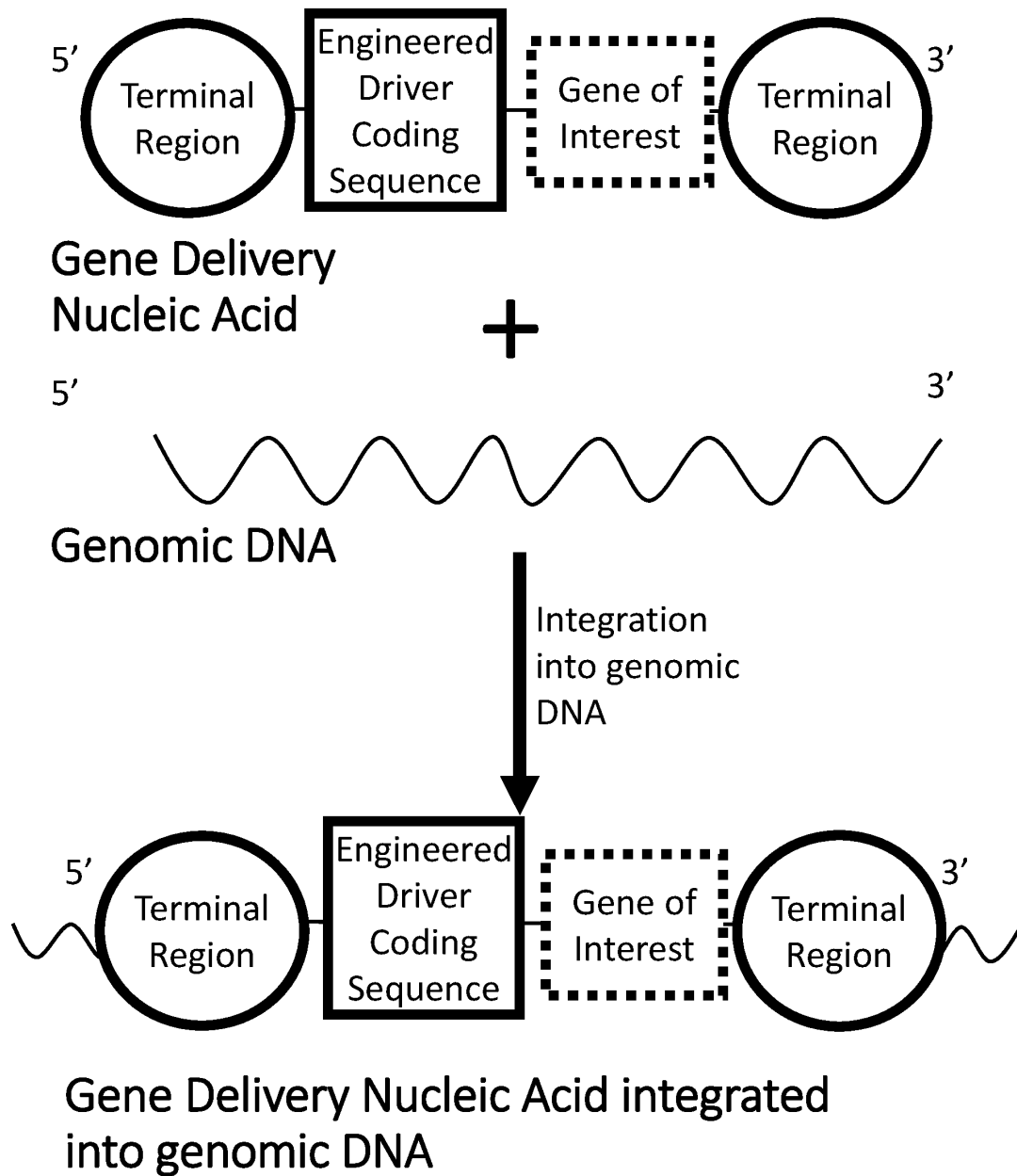


FIG. 1E

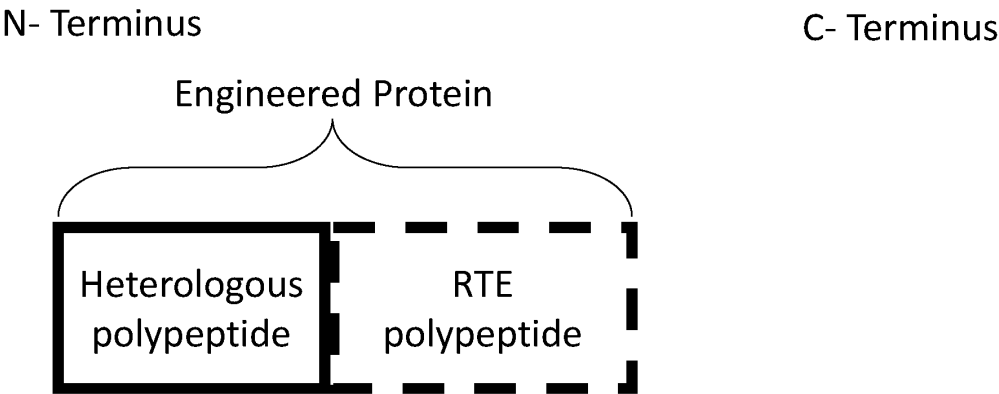


FIG. 2A

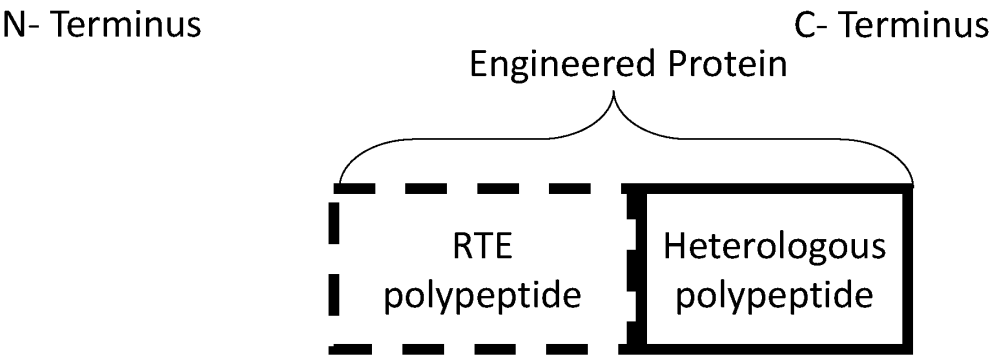


FIG. 2B

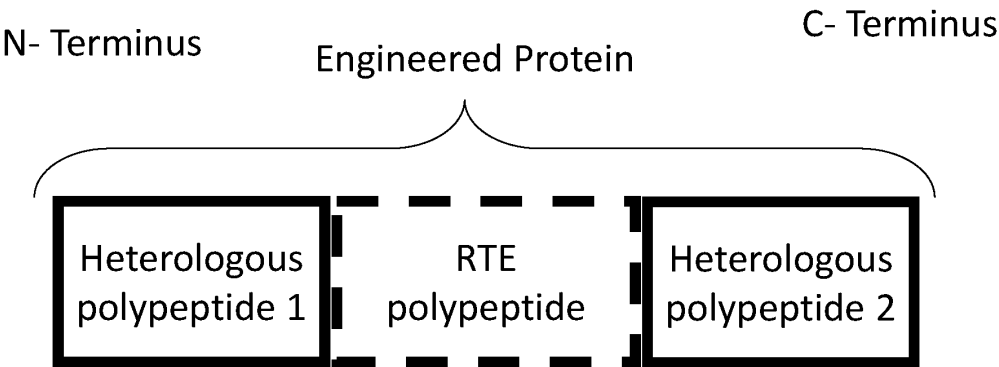


FIG. 2C

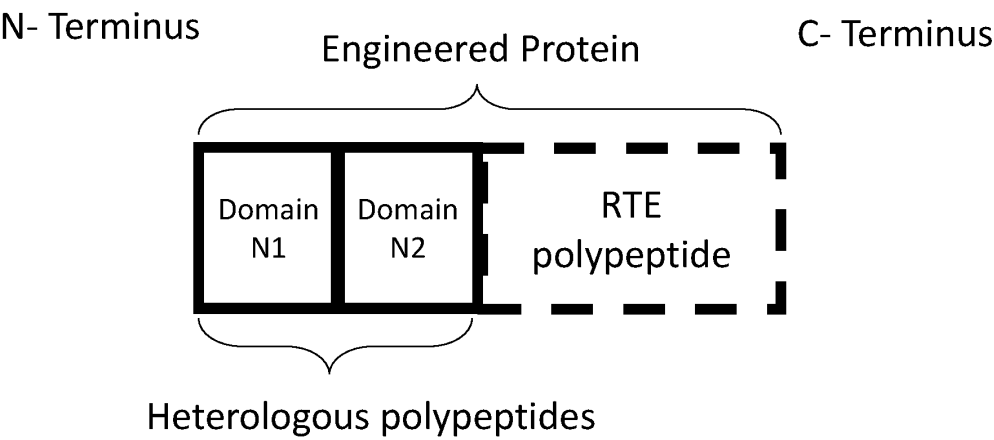


FIG. 2D

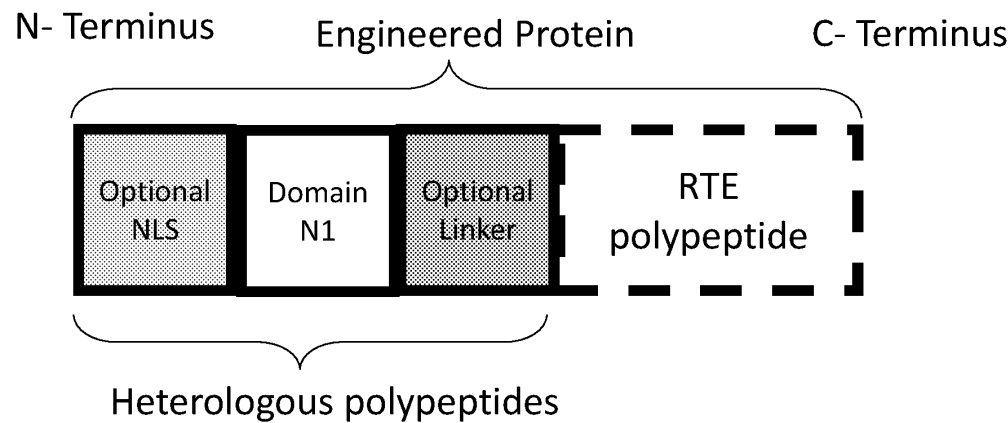


FIG. 2E

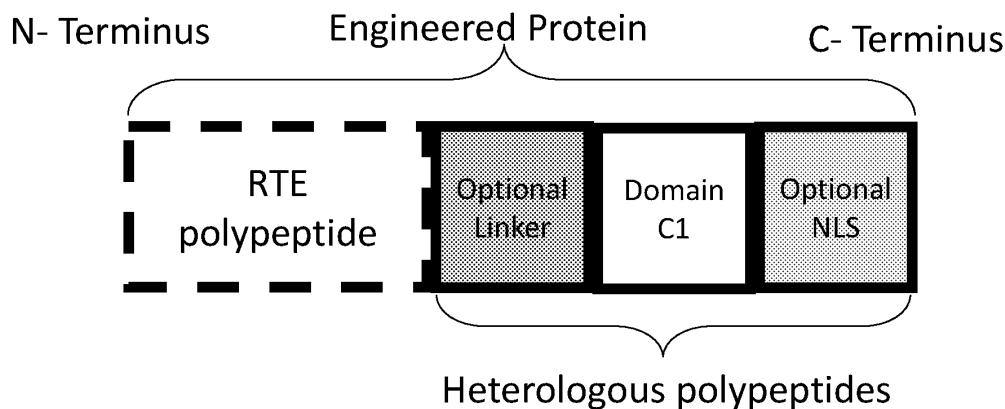


FIG. 2F

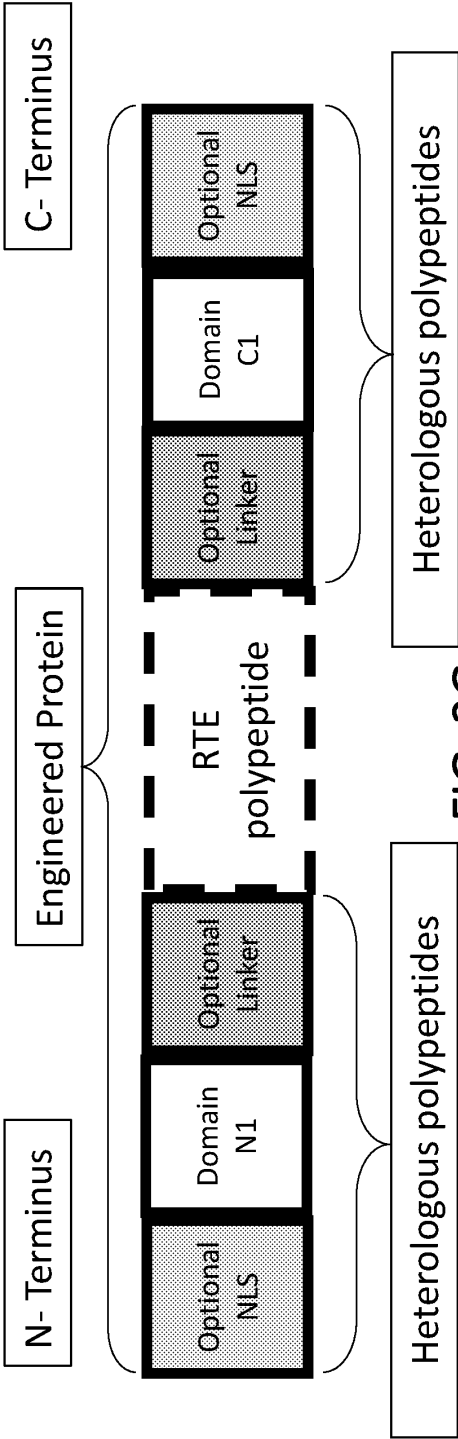


FIG. 2G

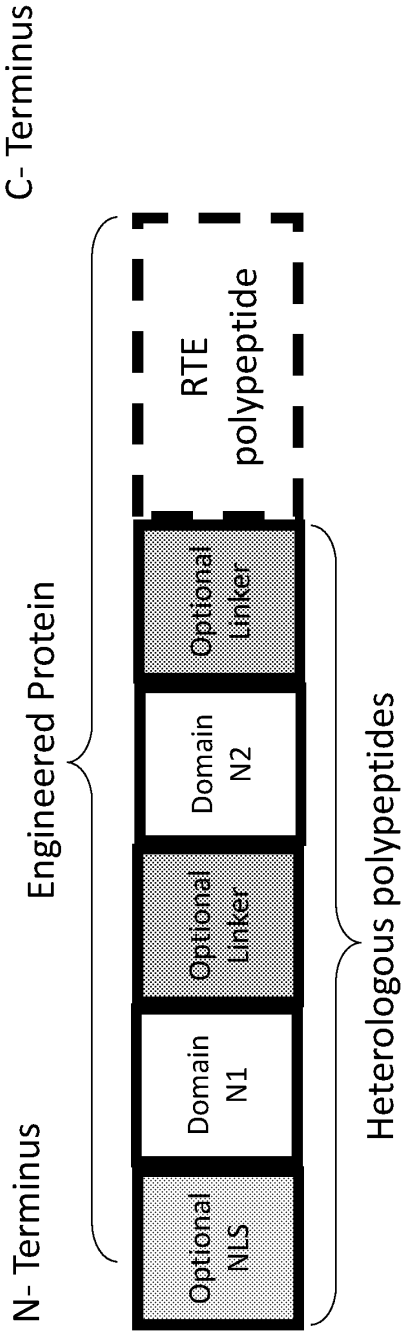


FIG. 2H

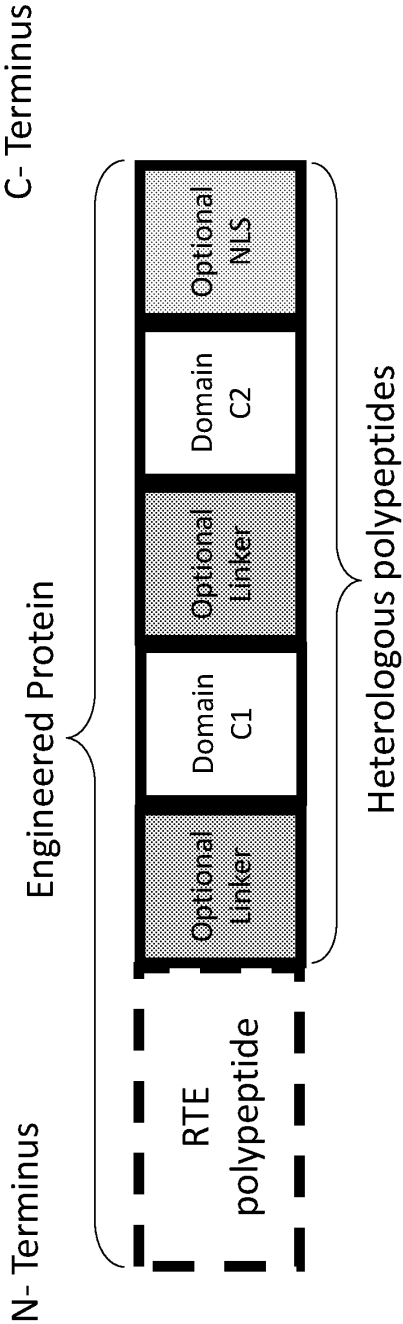


FIG. 2I

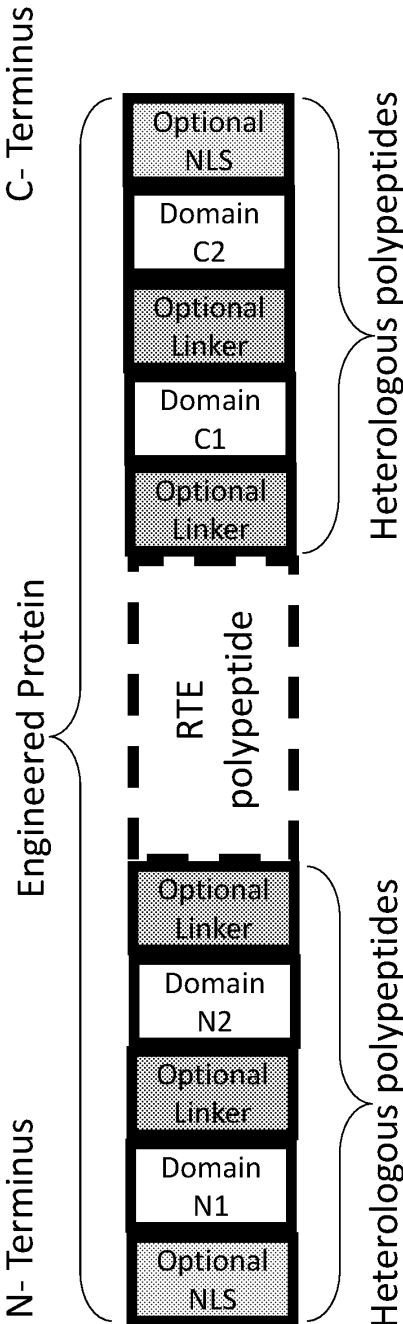


FIG. 2J

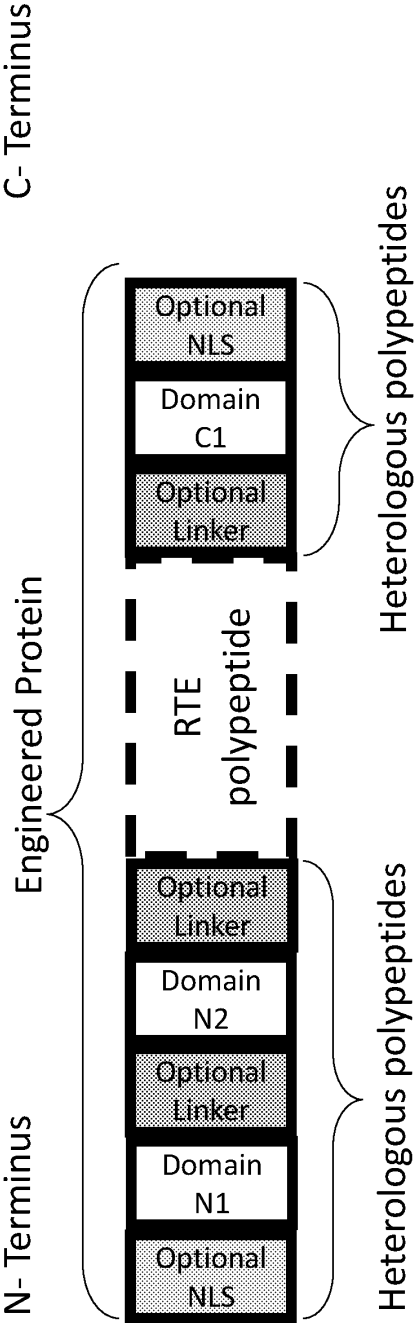


FIG. 2K

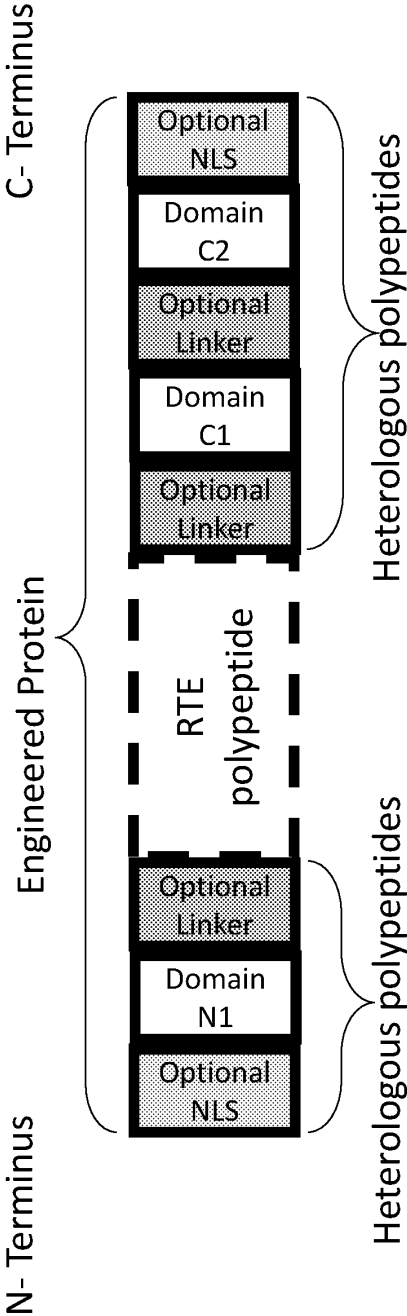


FIG. 2L

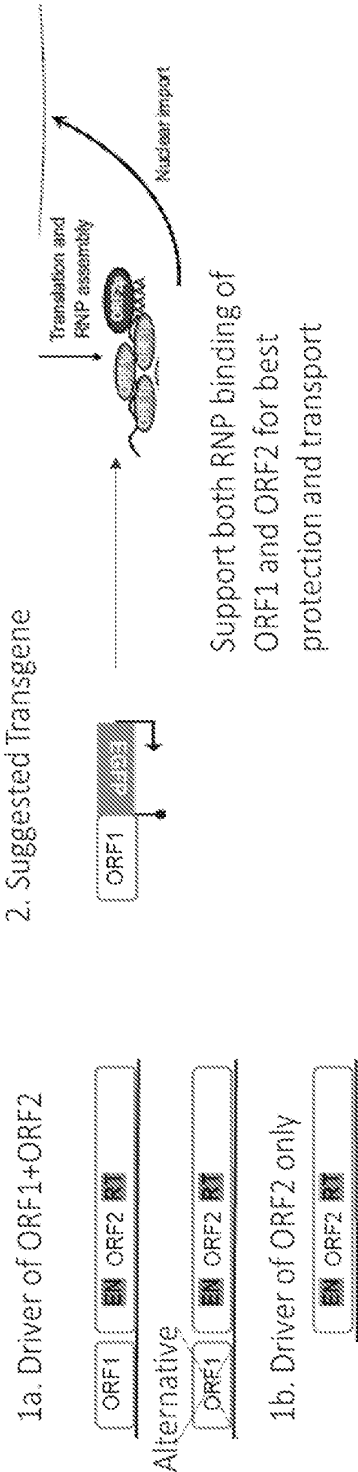


FIG. 3

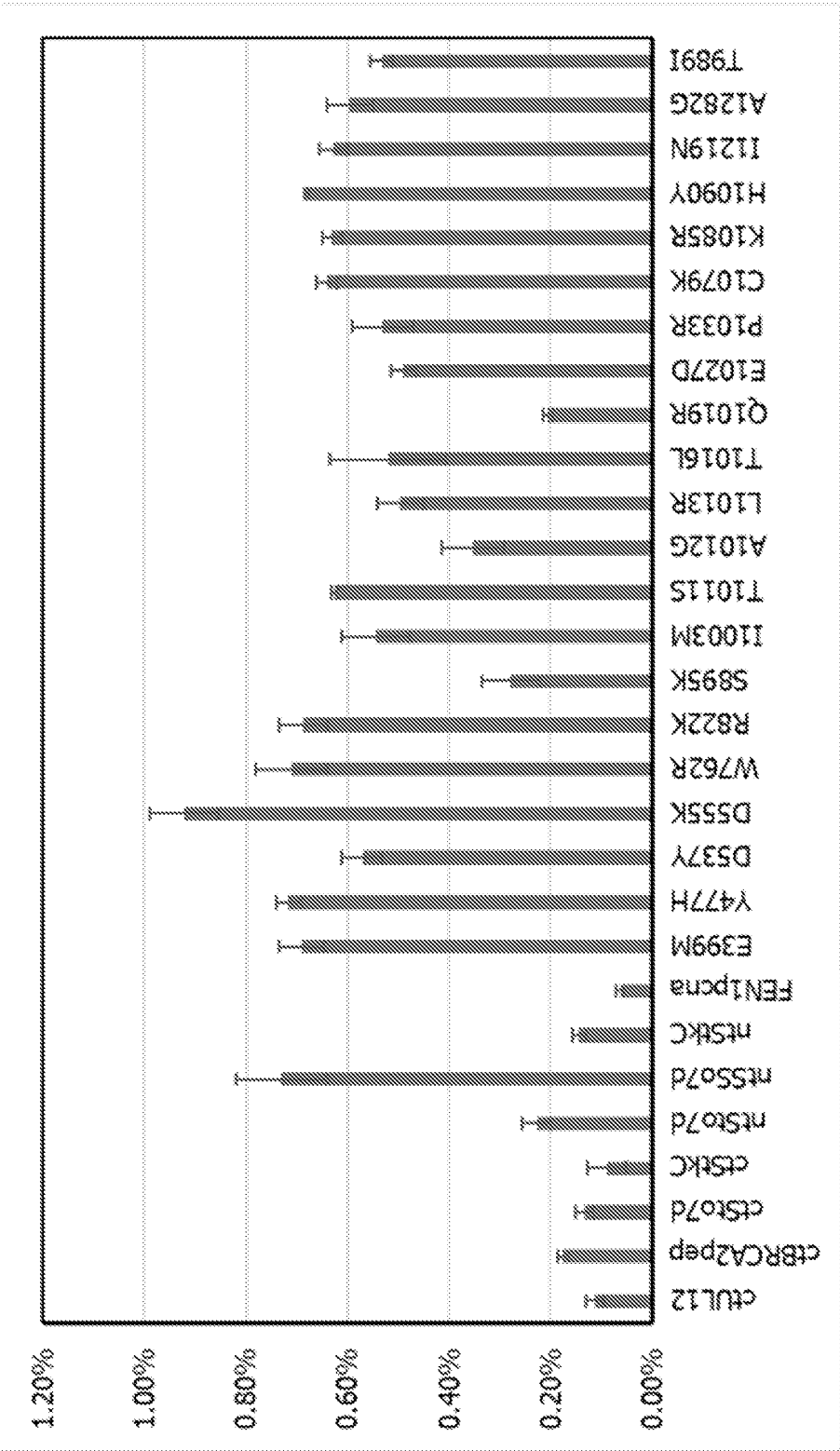


FIG. 4A

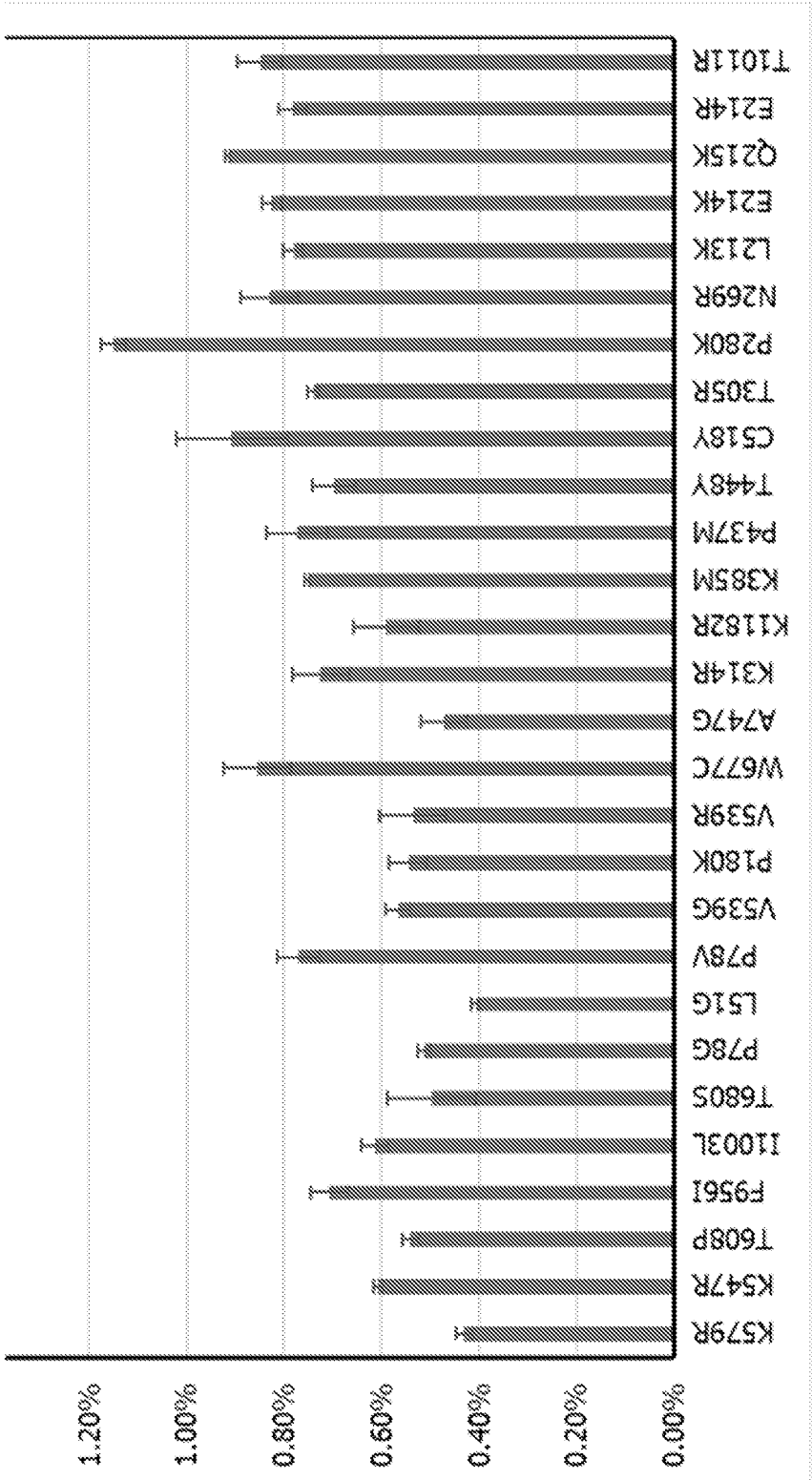


FIG. 4B

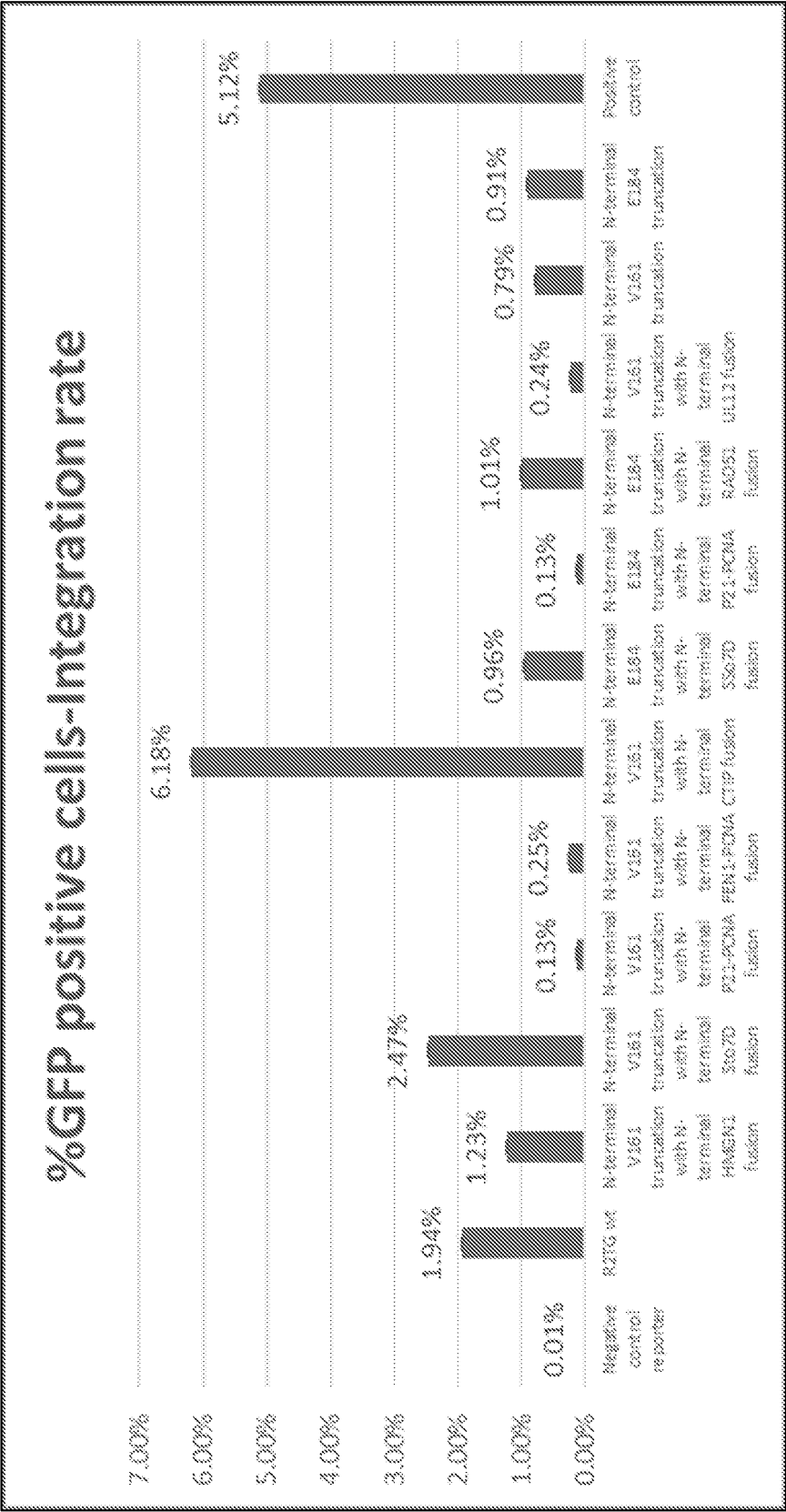


FIG. 4C

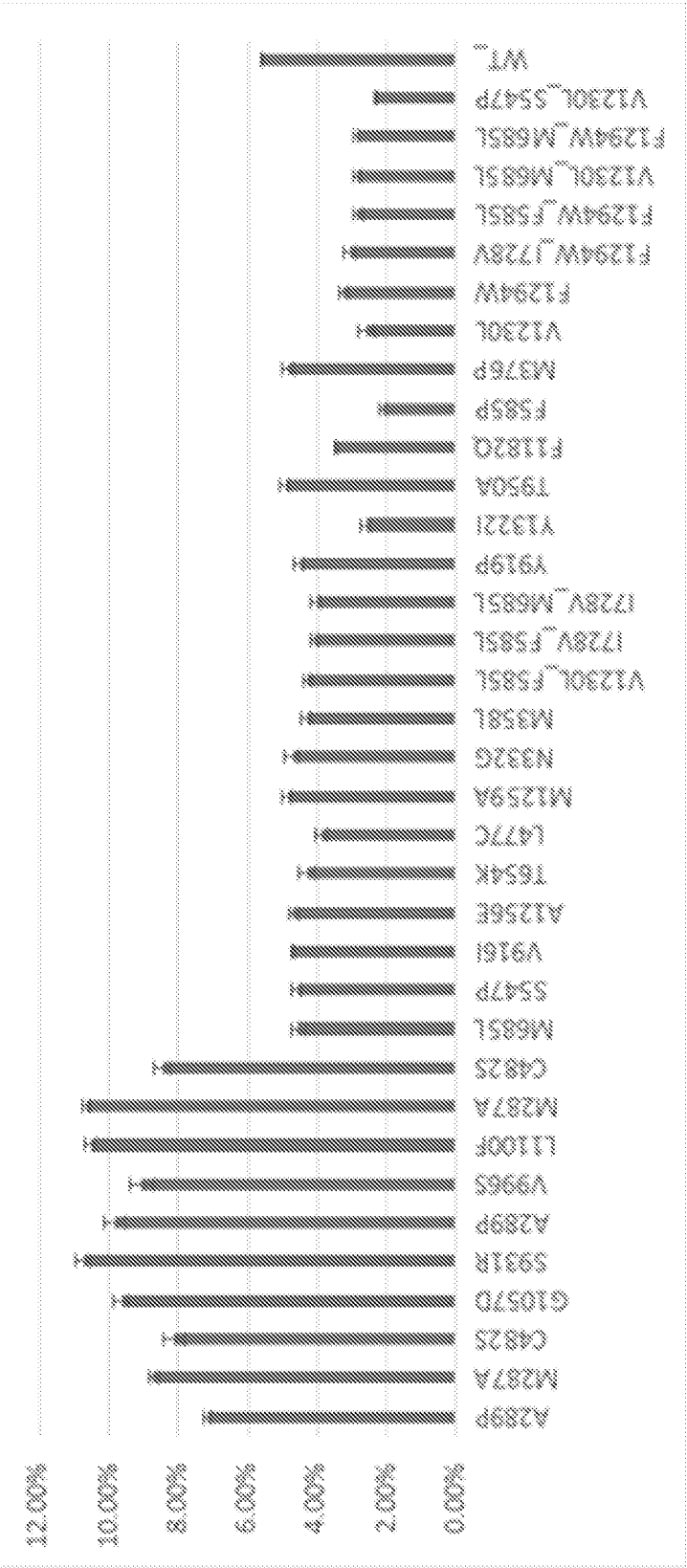


Fig. 5

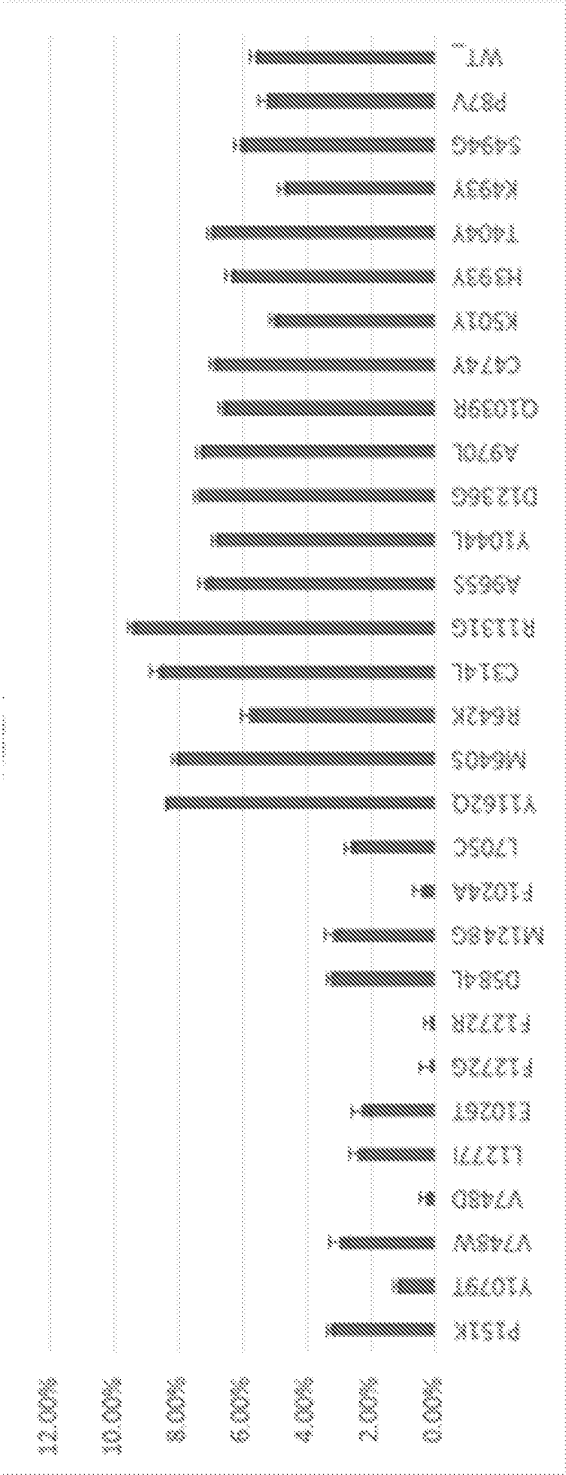


Fig. 6

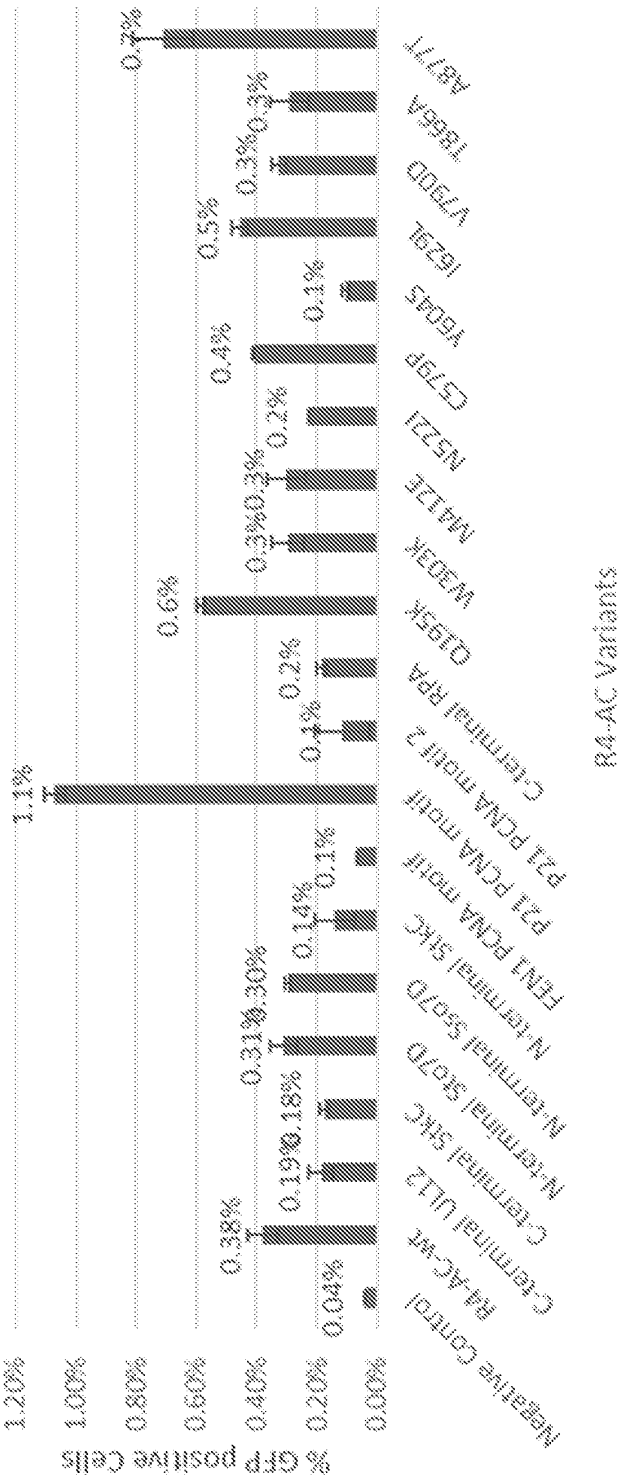


Fig. 7

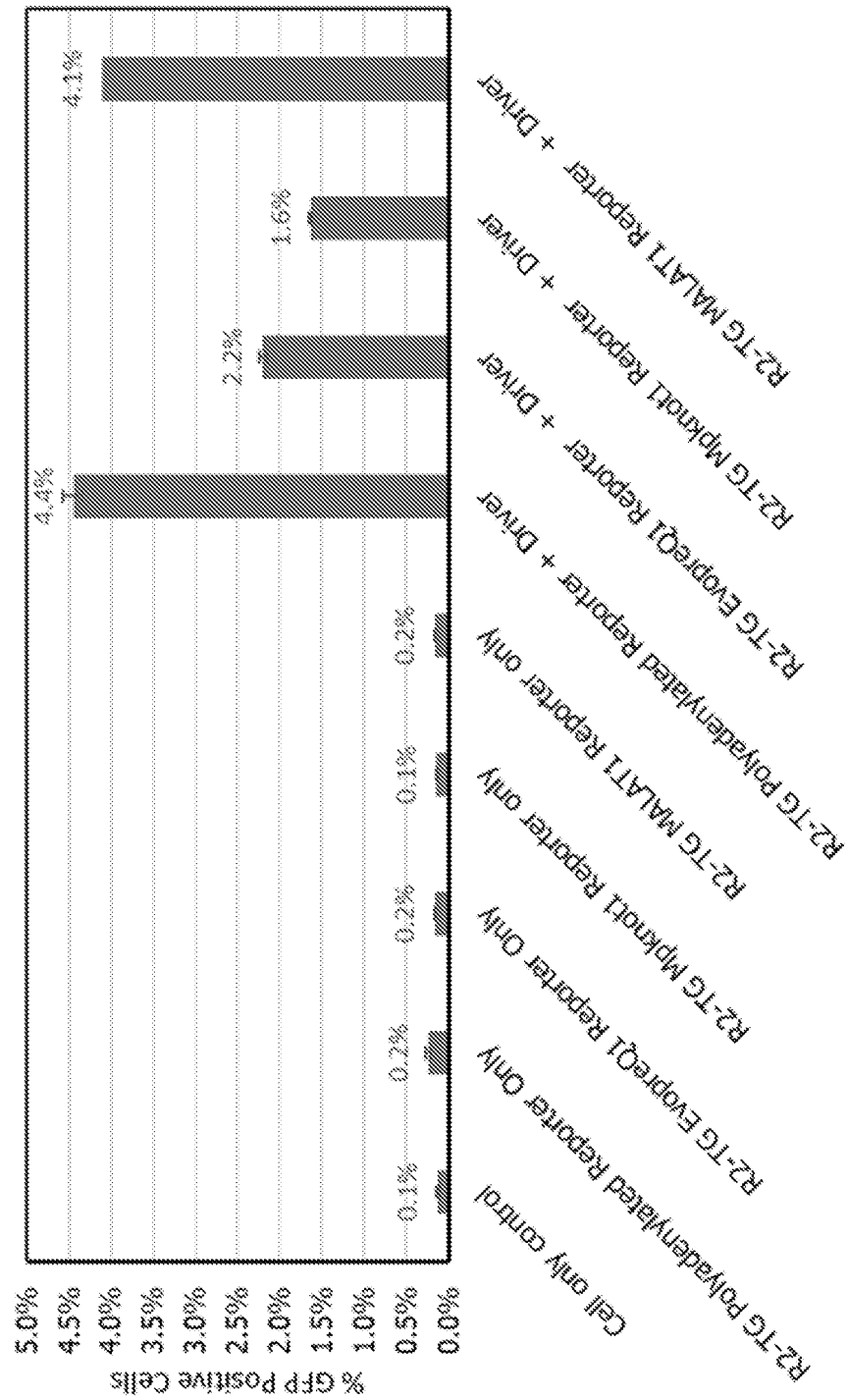


Fig. 8

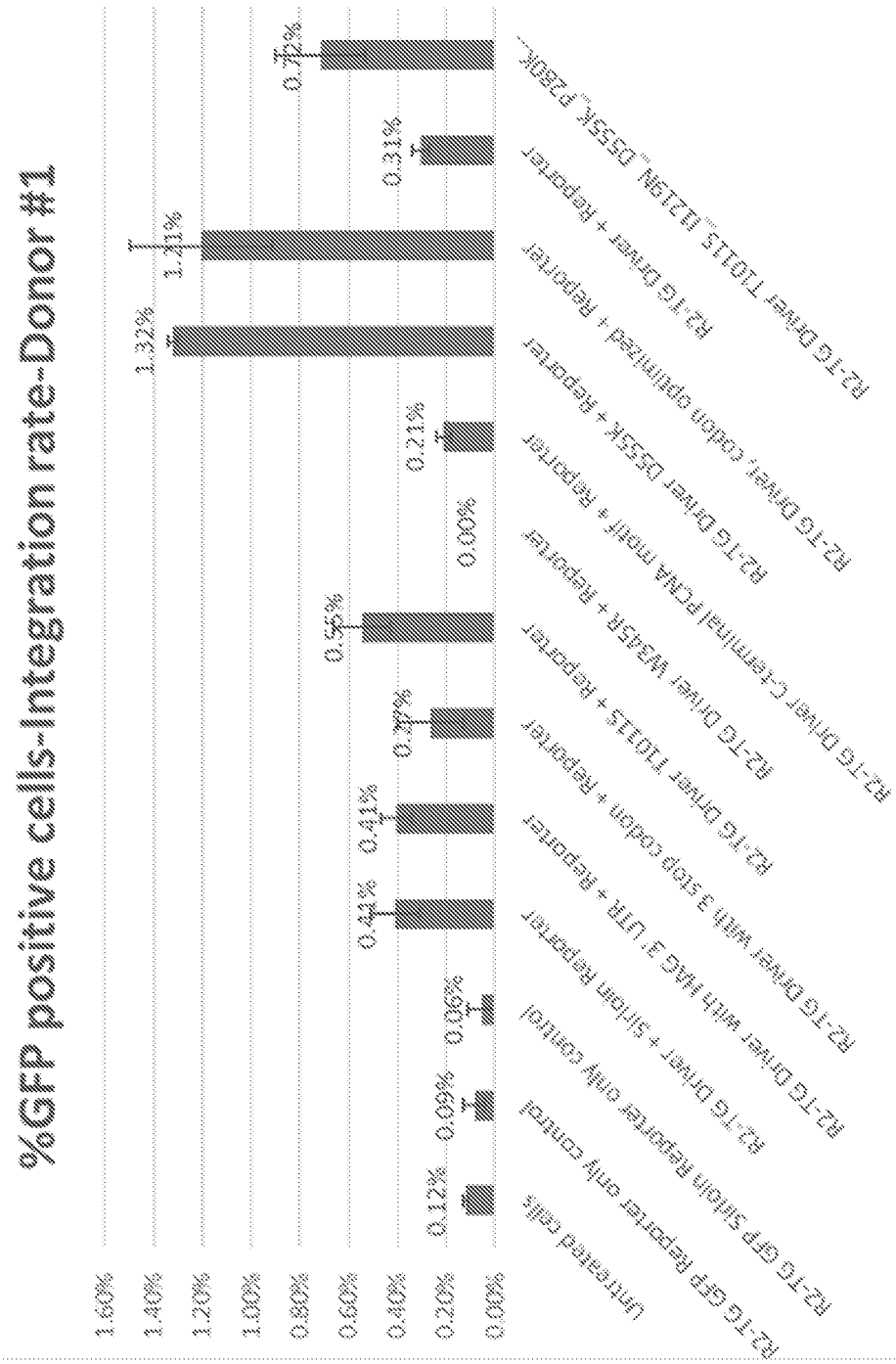


Fig. 9A

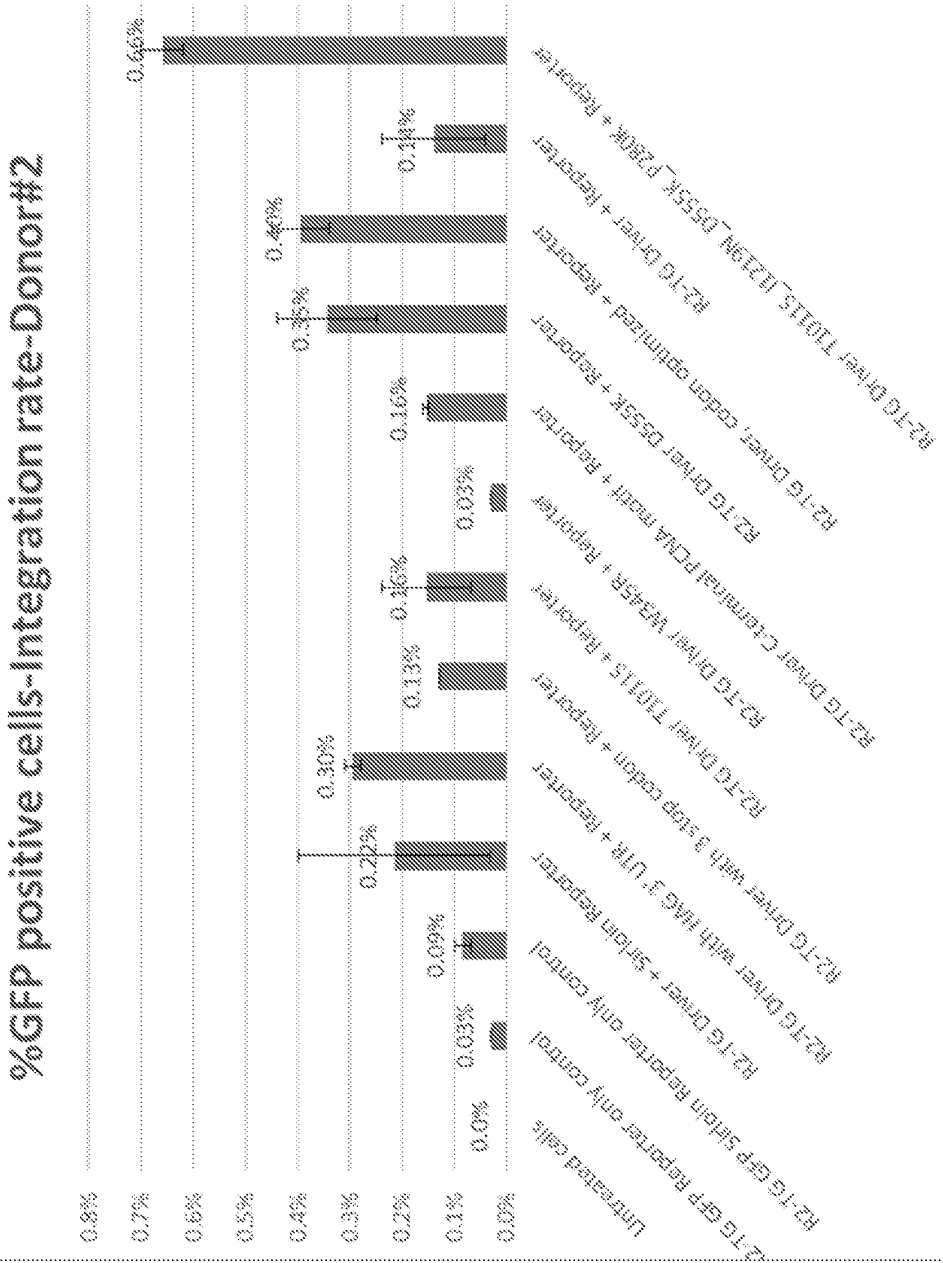


Fig. 9B

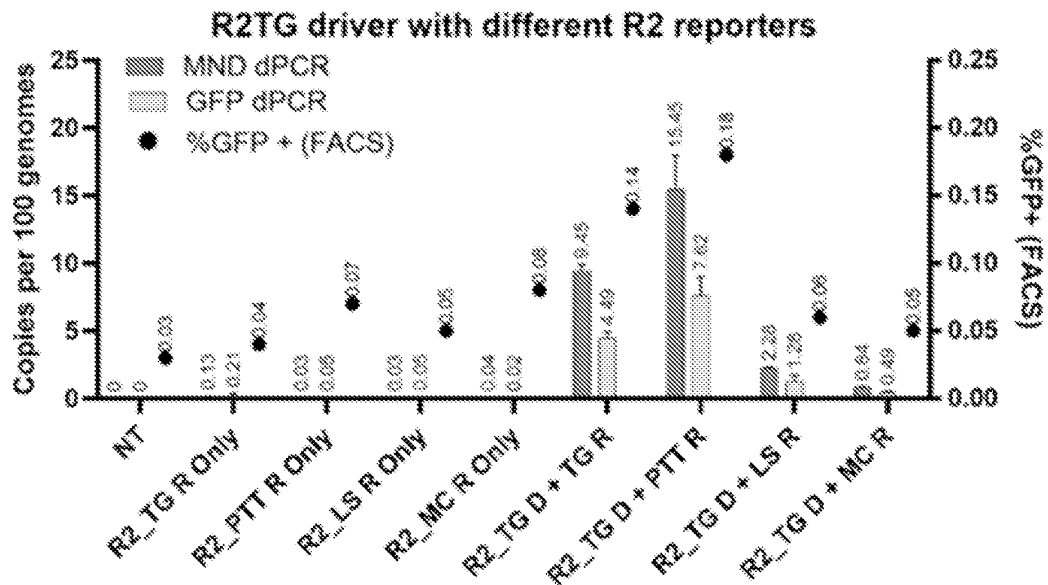


FIG. 10A

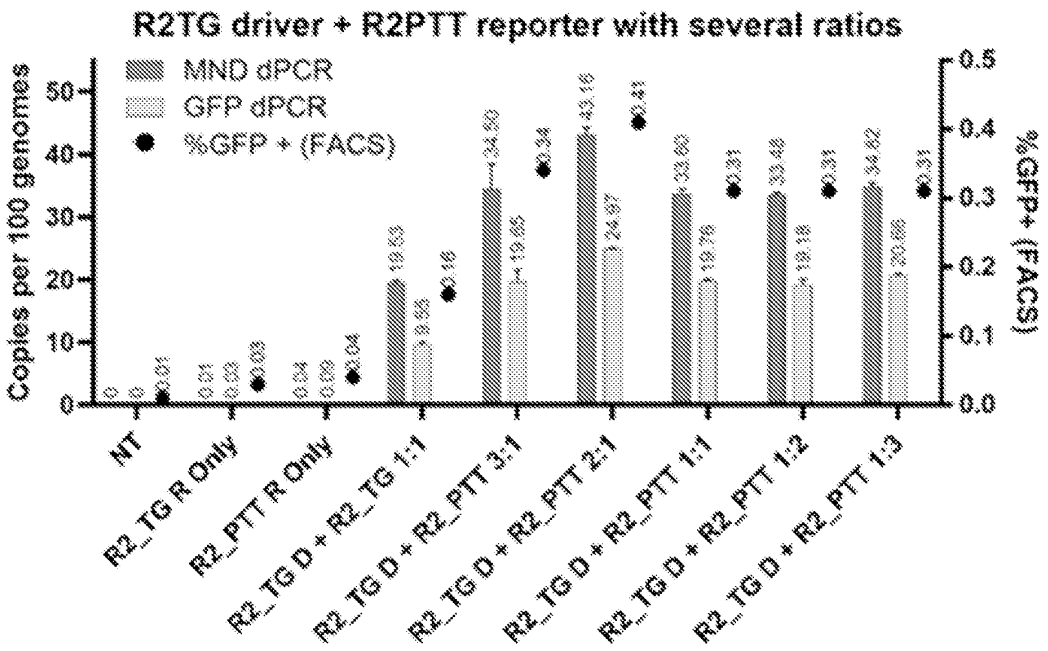


FIG. 10B

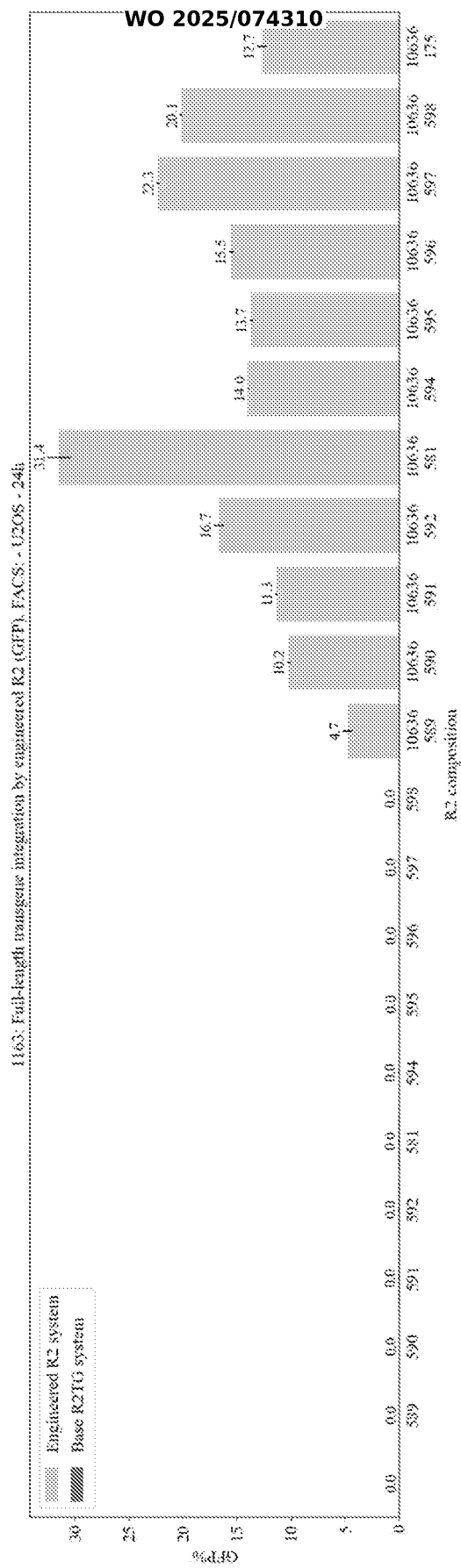


FIG. 11A

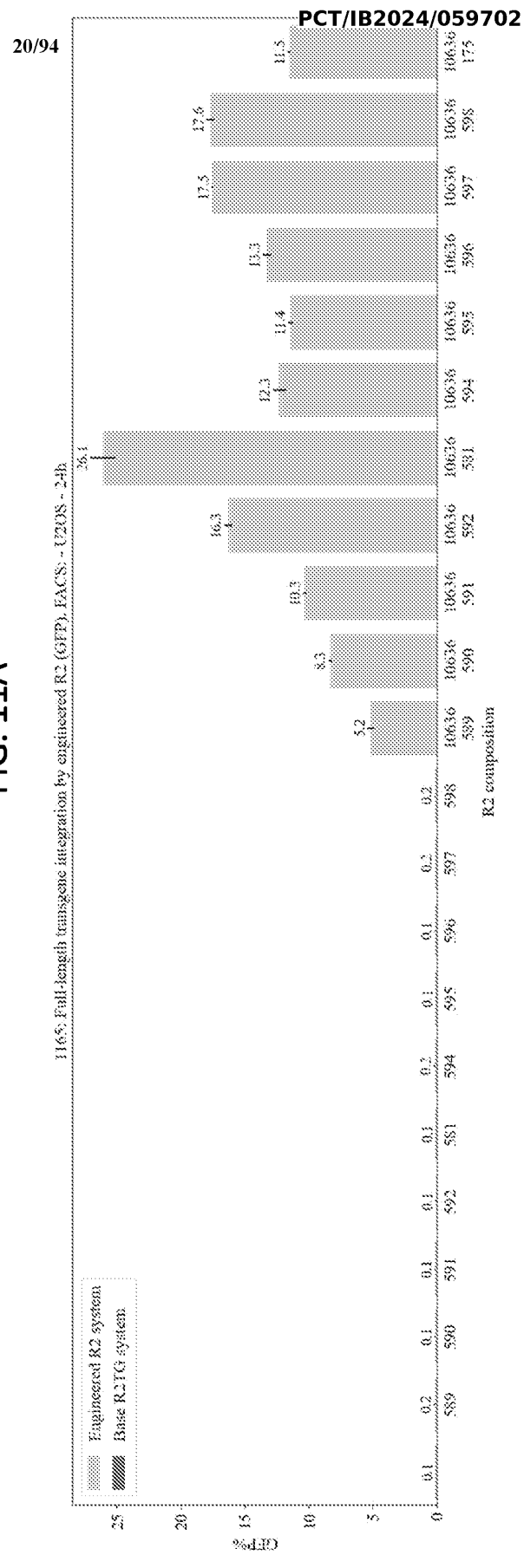


FIG. 11B

1358: Full-length transgene integration by engineered R2 (GFP). FACS: - HUH7 - 48h

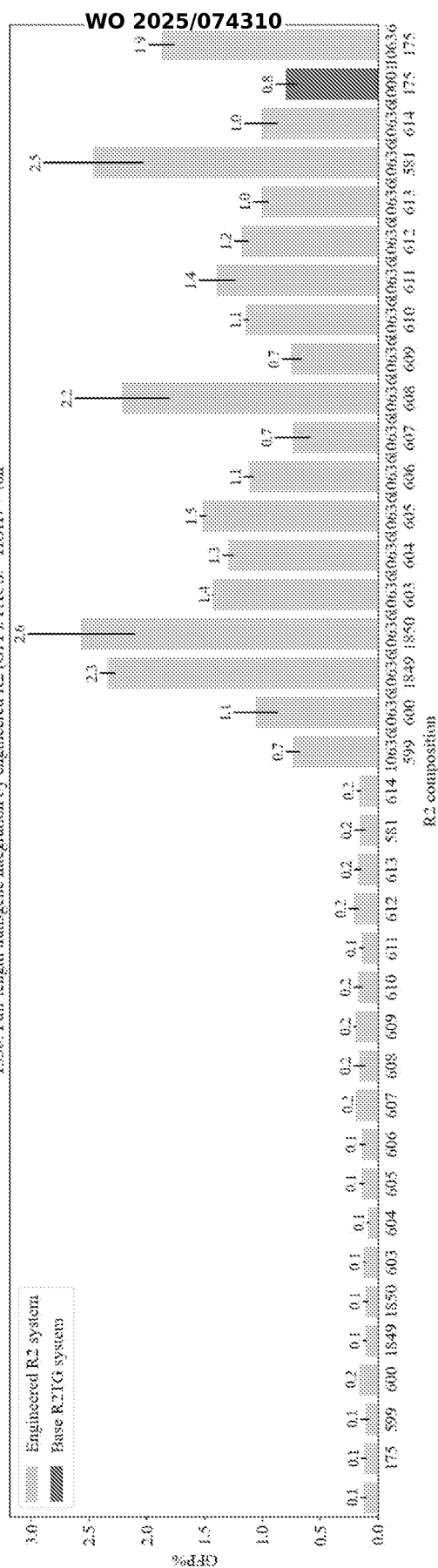


FIG. 12A

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1361: Full-length transgene integration by engineered R2 (GFP). FACS: - HUH7 - 48h

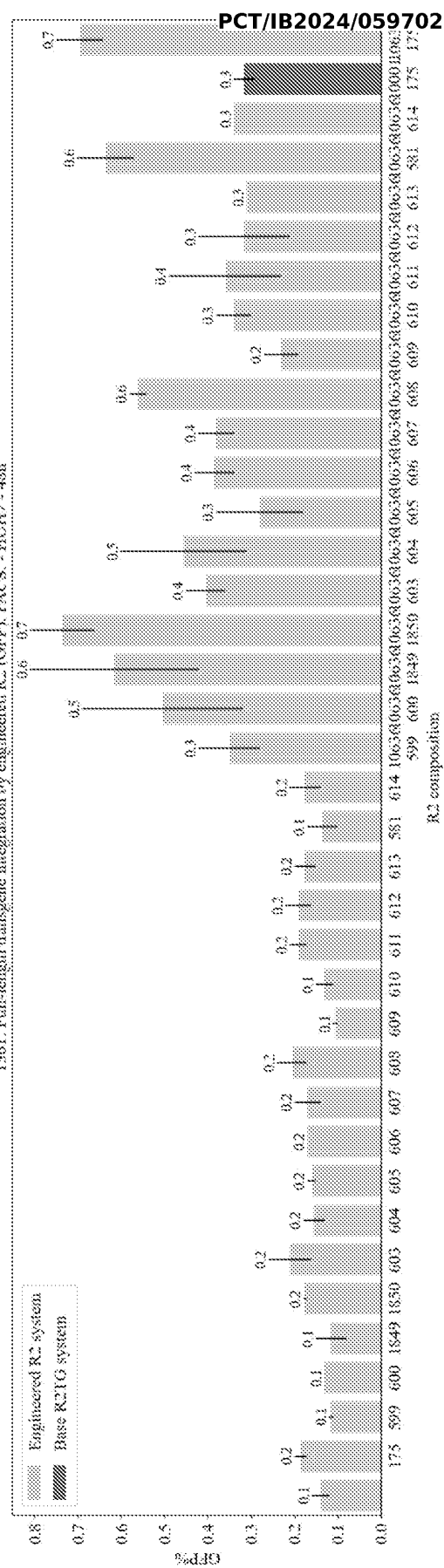


FIG. 12B

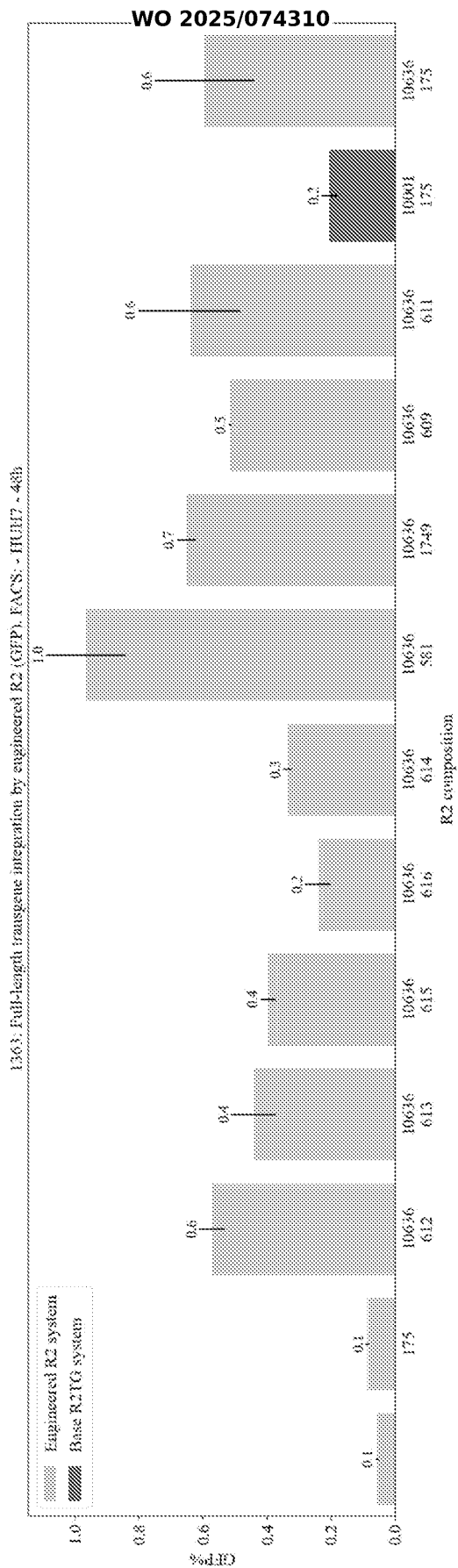


FIG. 13A

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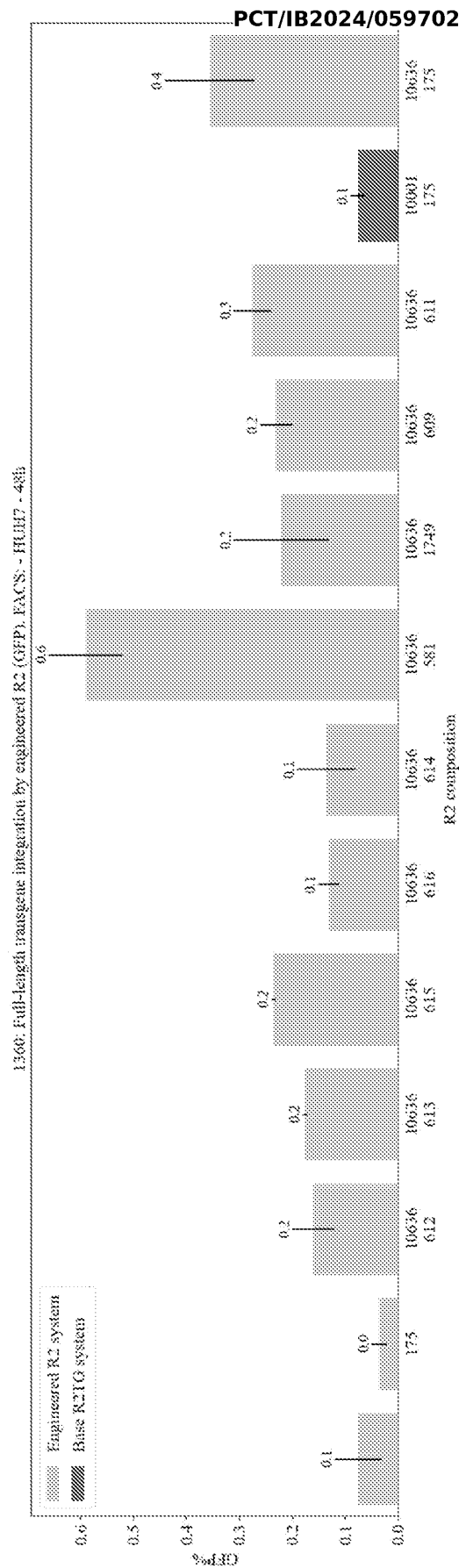


FIG. 13B

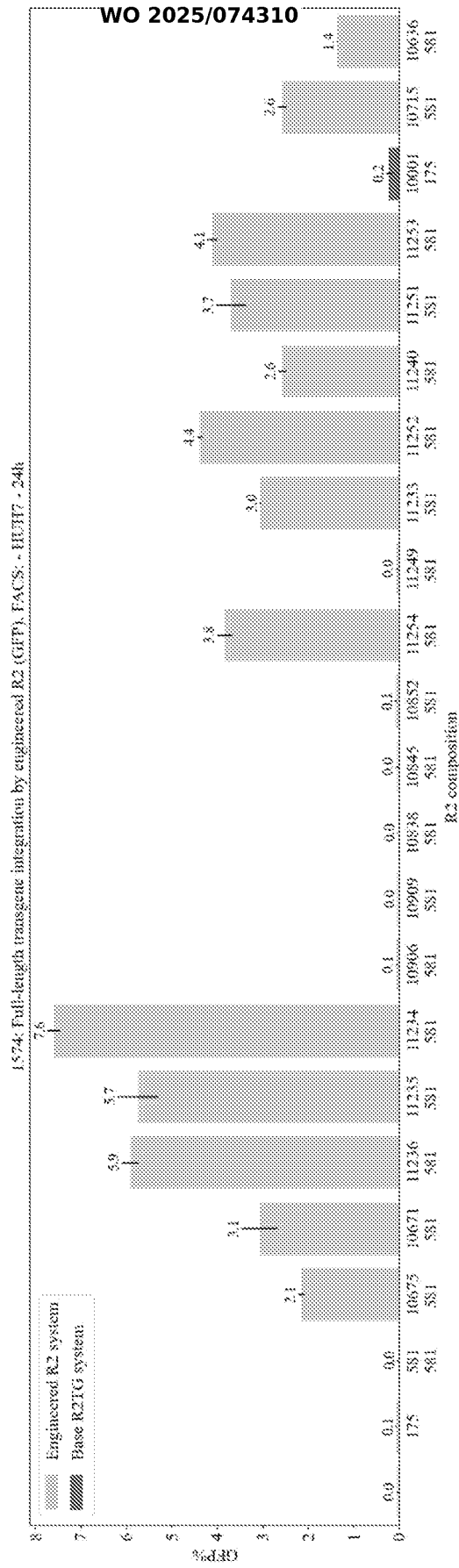


FIG. 14A

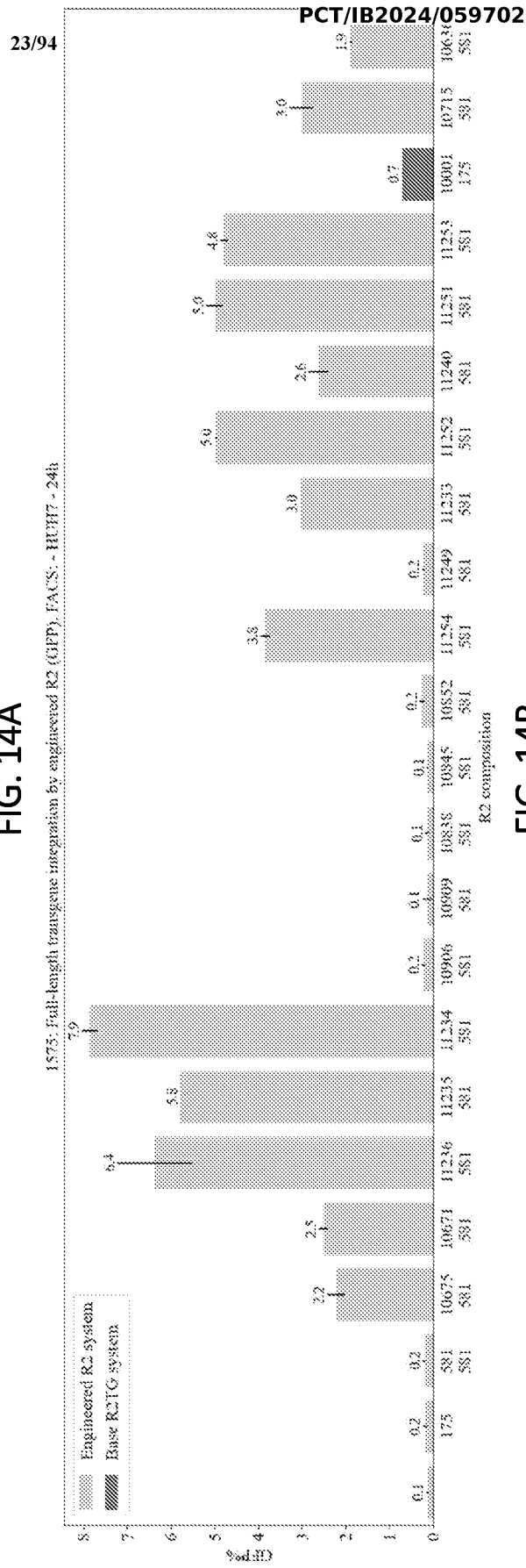


FIG. 14B

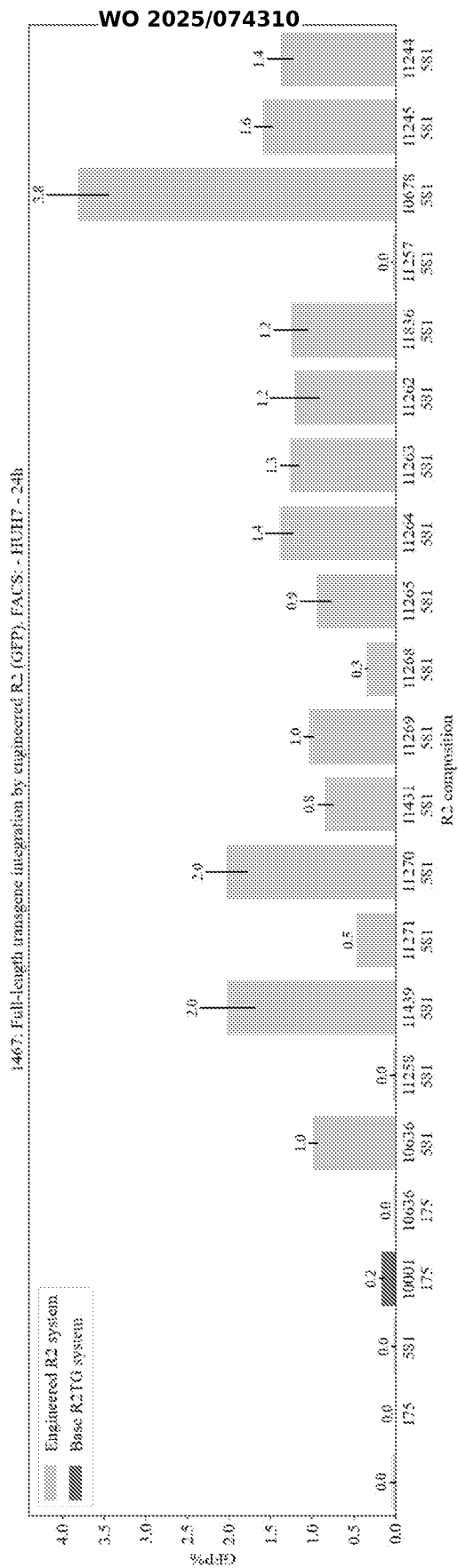


FIG. 15A

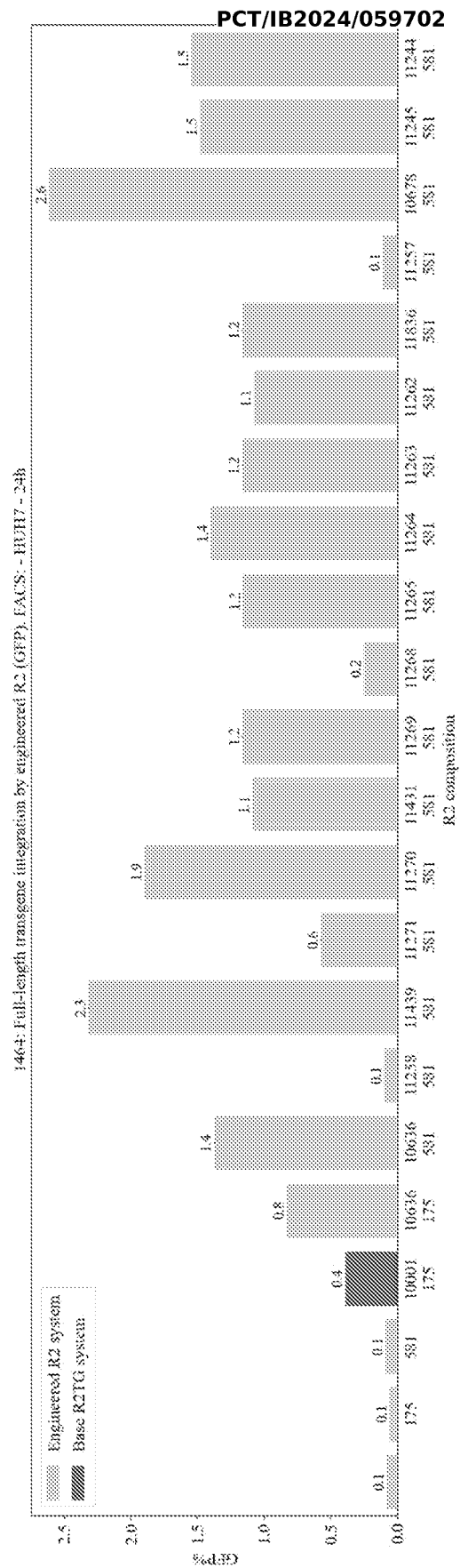


FIG. 15B

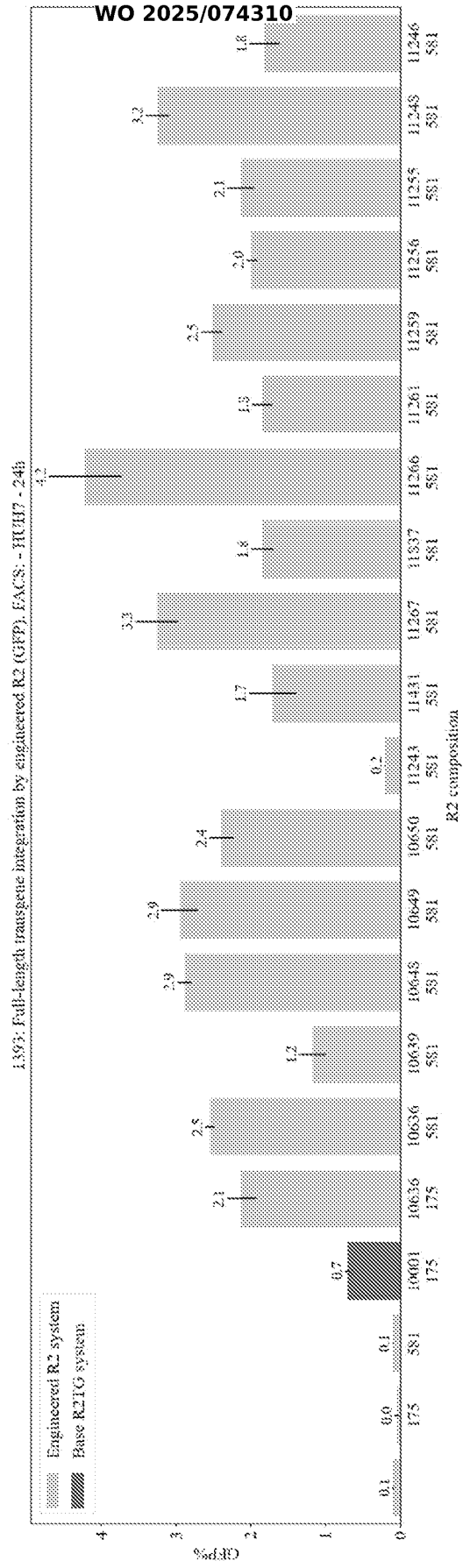


FIG. 16A

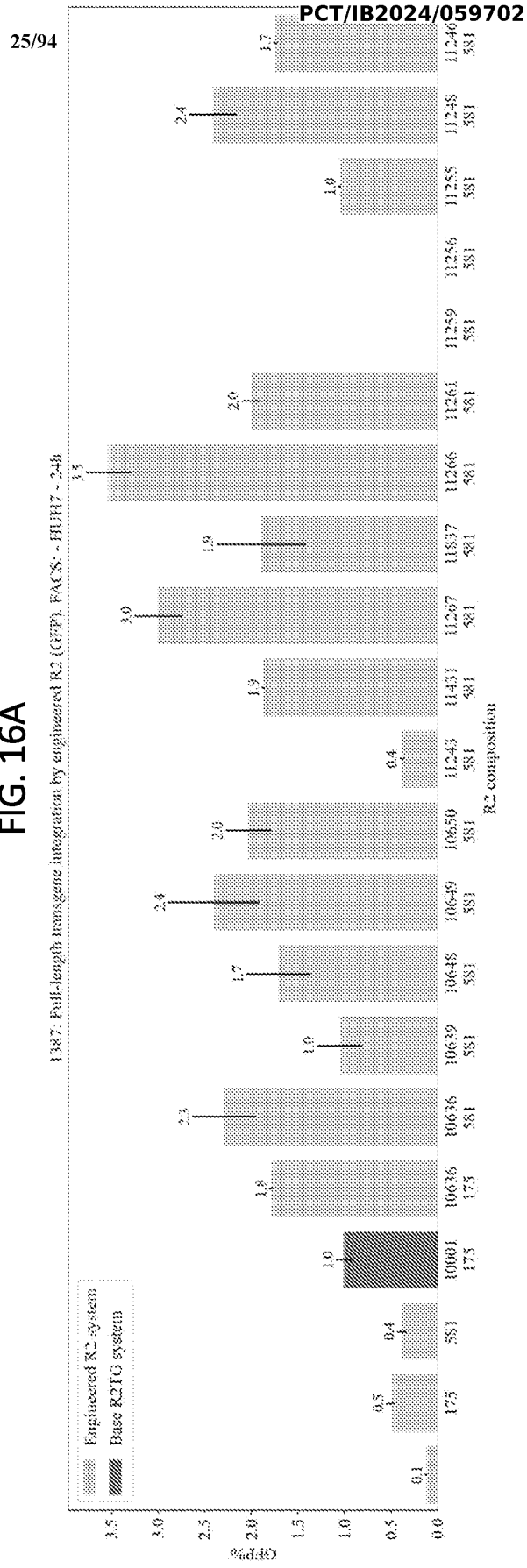


FIG. 16B

1369: Full-length transgene integration by engineered R2 (GFP). EACS - HUH7 - 24h

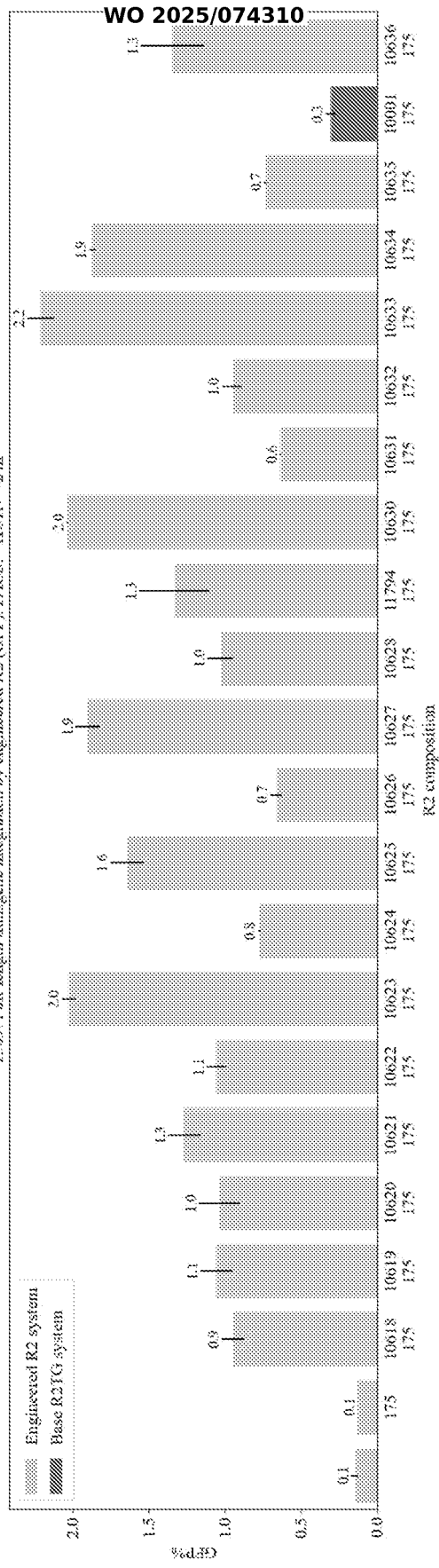


FIG. 17A

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1382: Full-length transgene integration by engineered R2 (GFP). EACS - HUH7 - 24h

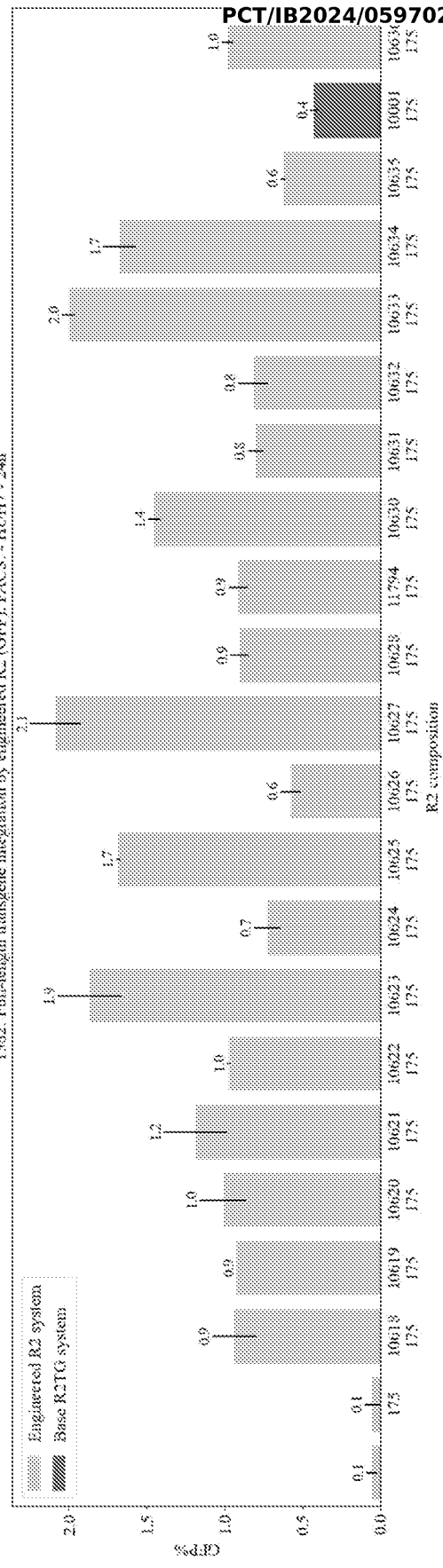


FIG. 17B

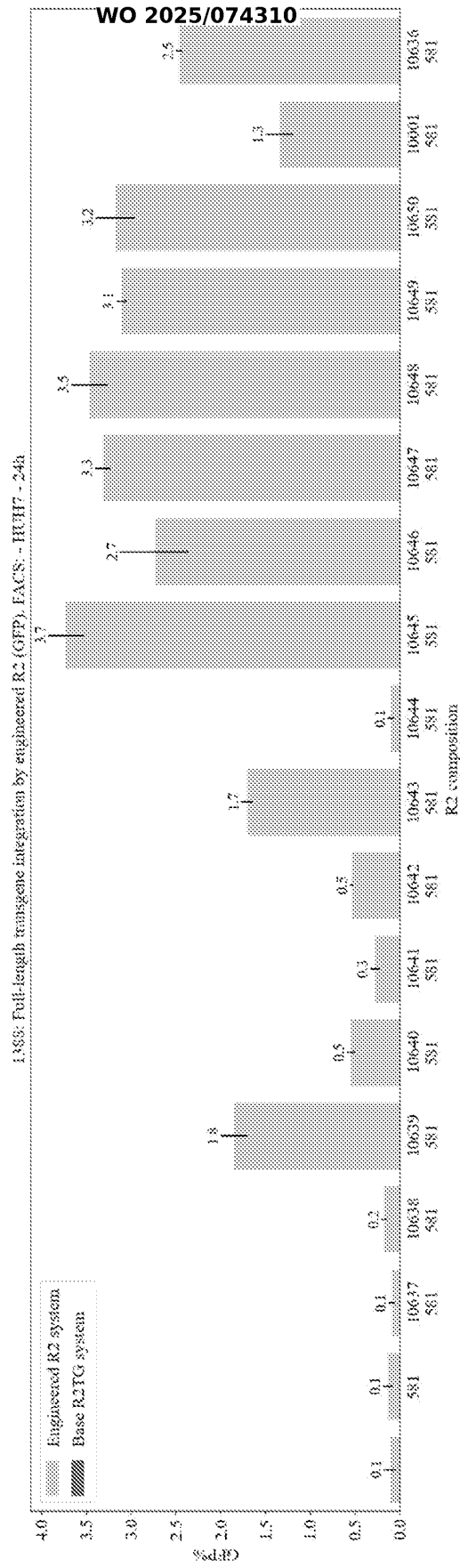


FIG. 18A

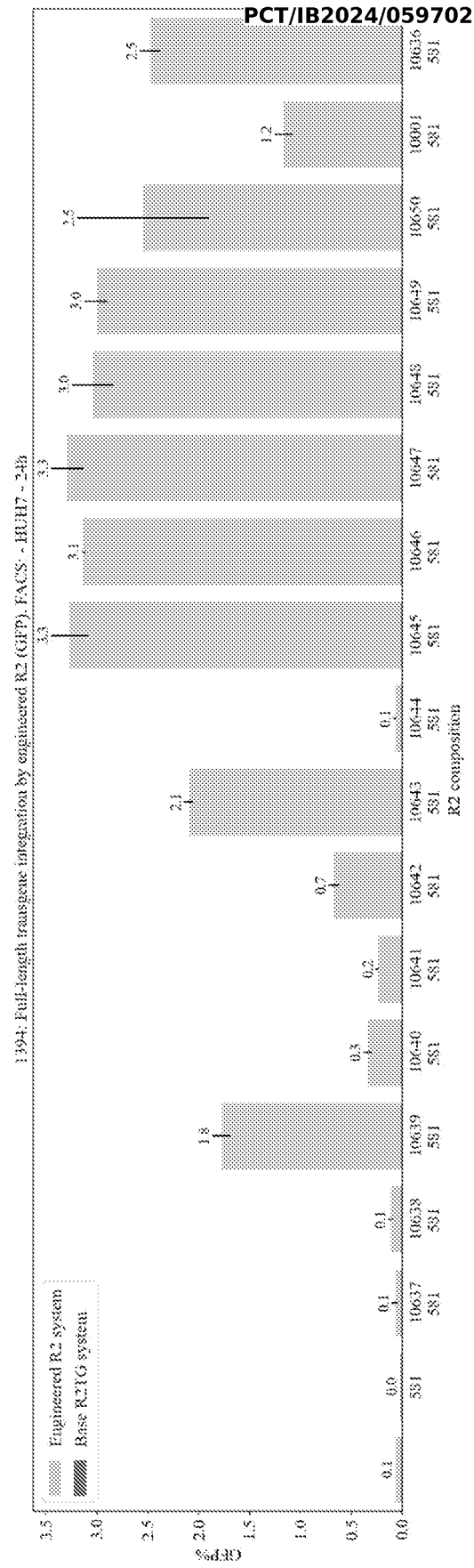


FIG. 18B

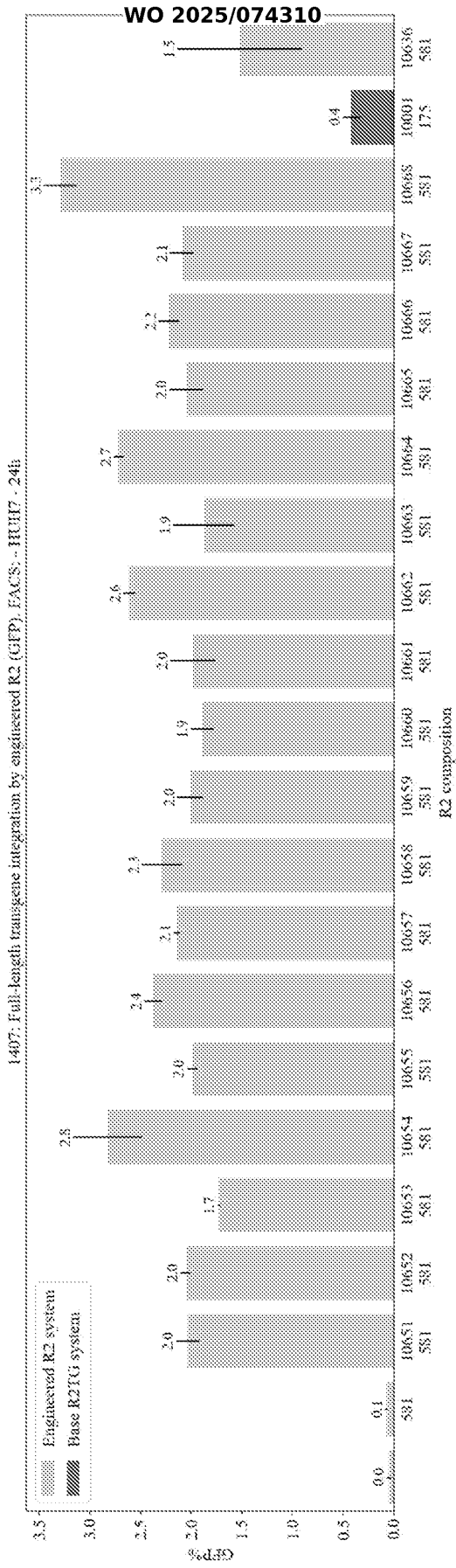


FIG. 19A

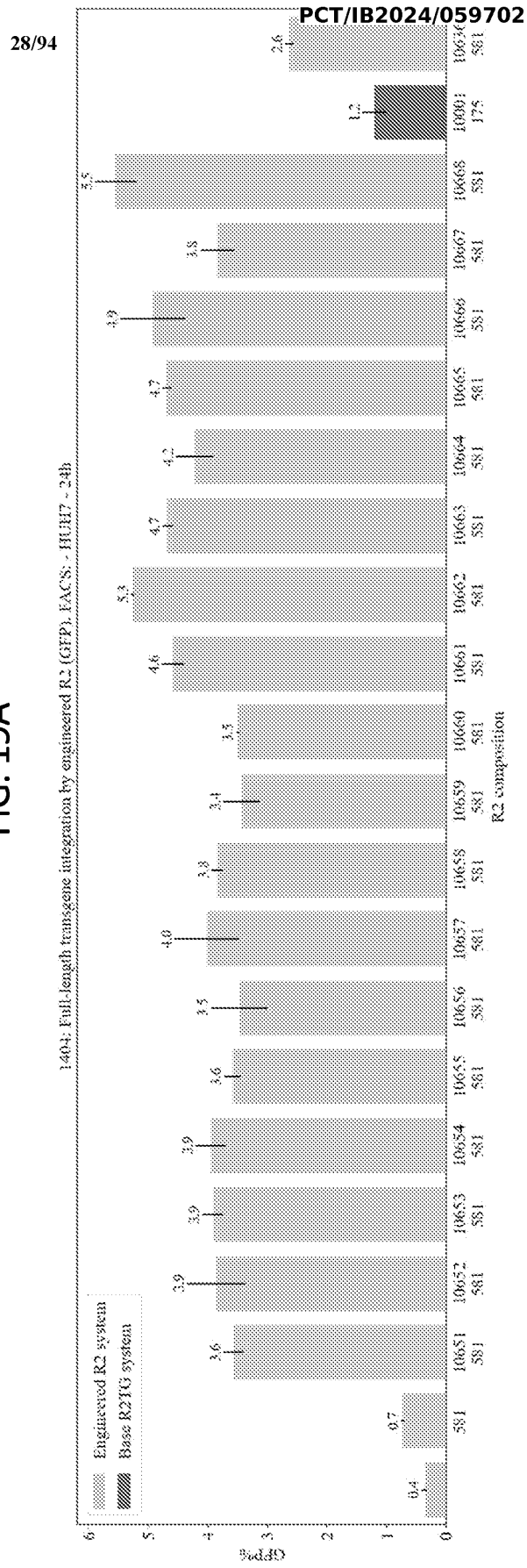


FIG. 19B

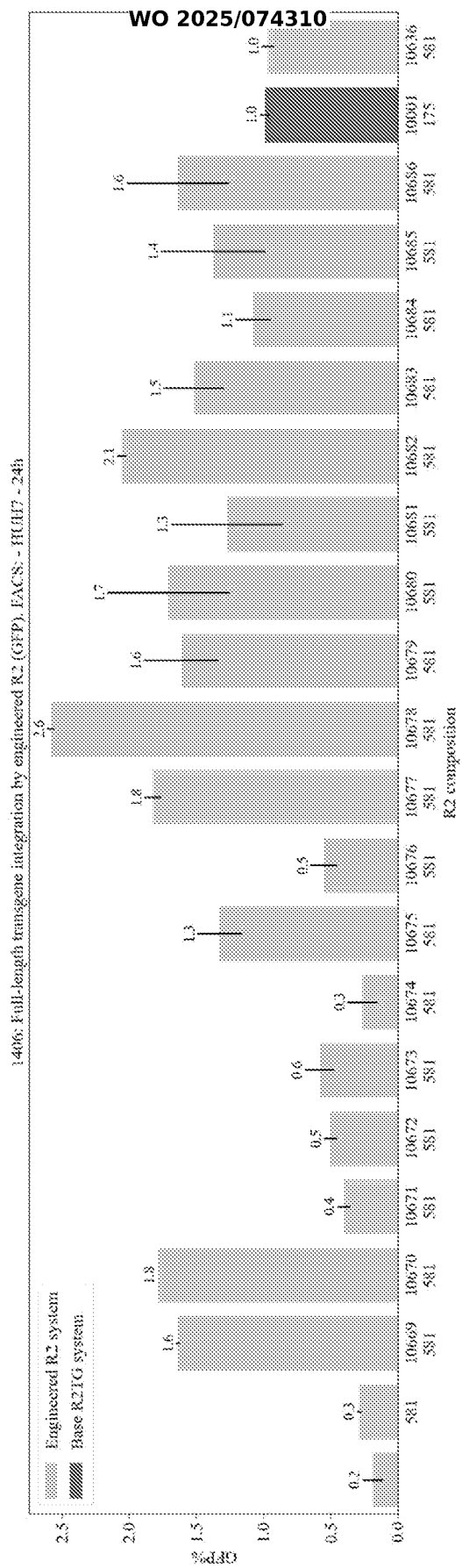


FIG. 20A

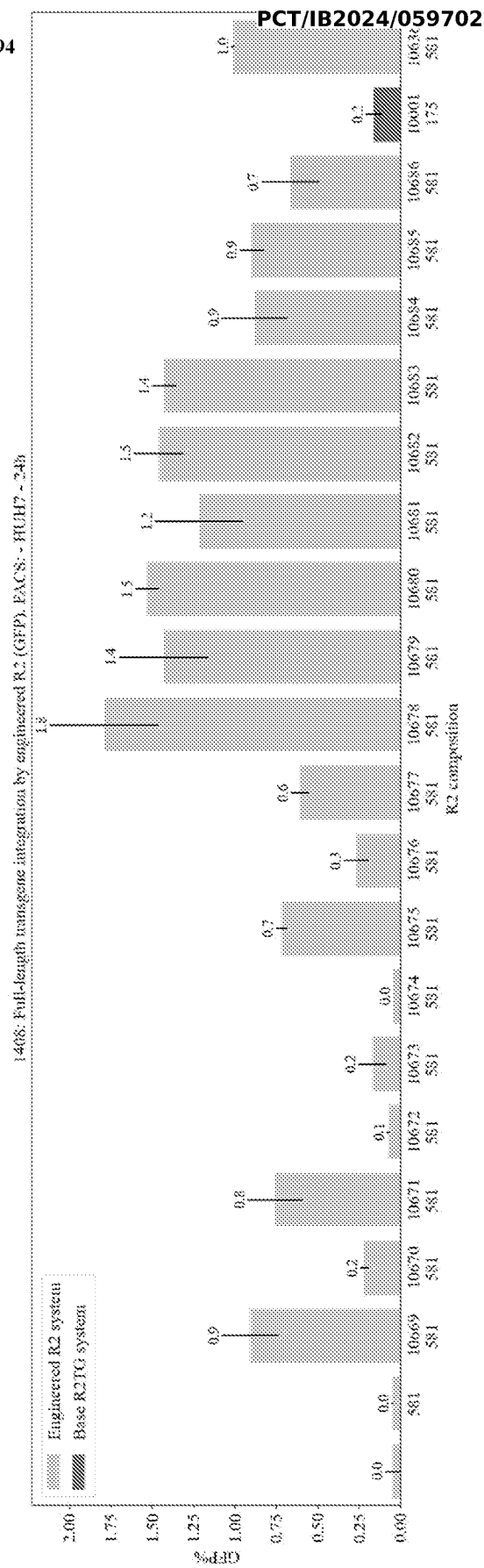


FIG. 20B

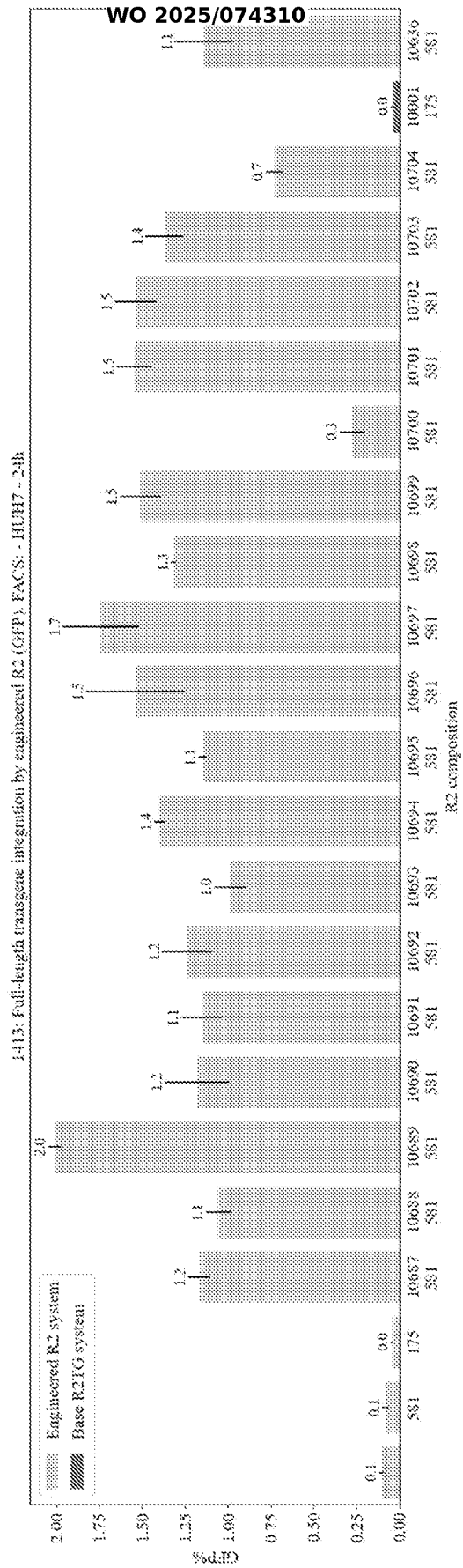


FIG. 21A

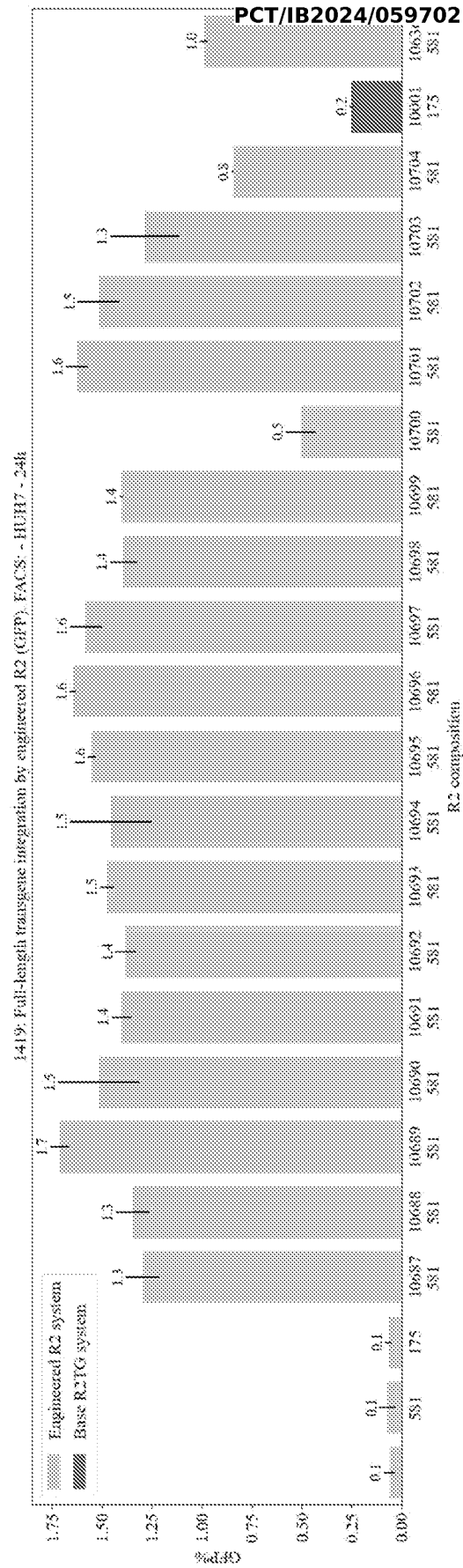
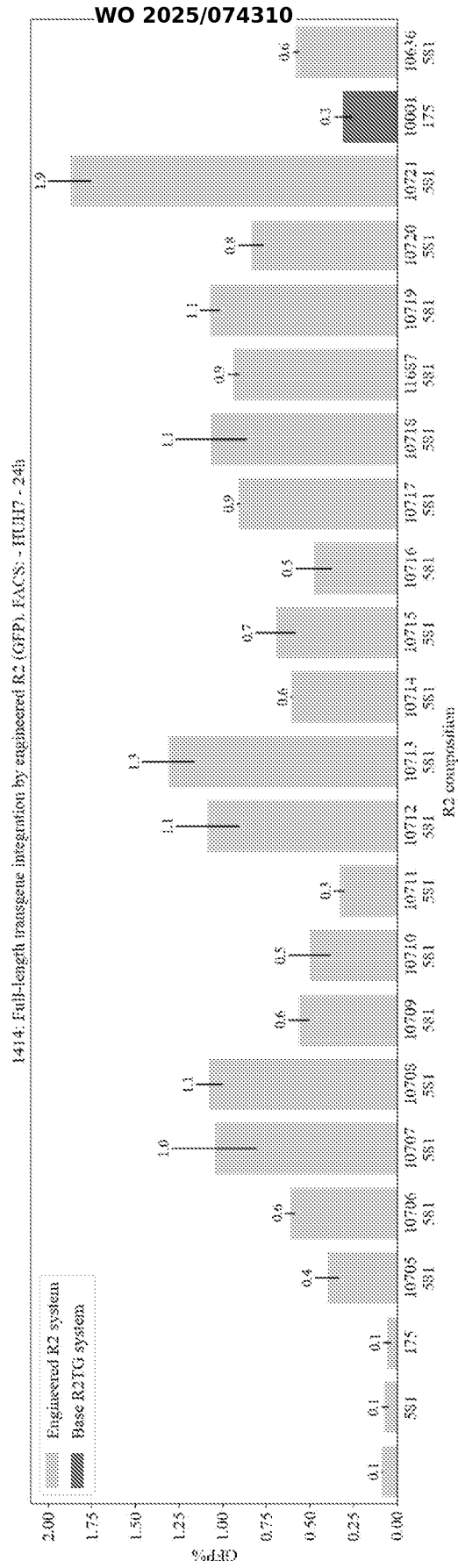


FIG. 21B



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FIG. 22A

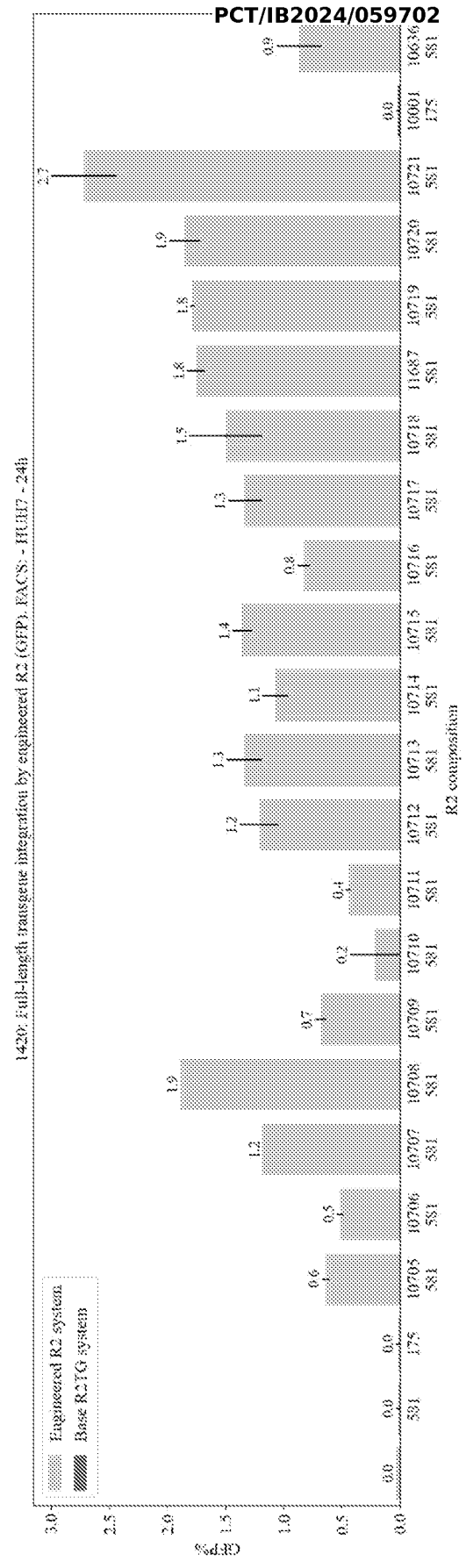
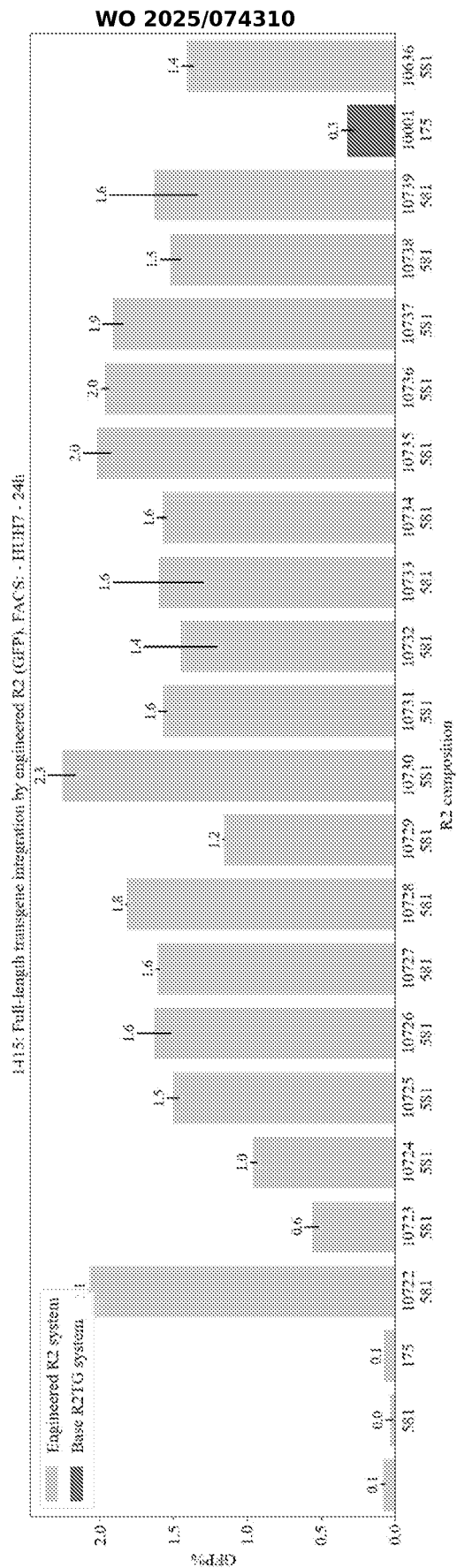


FIG. 22B



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FIG. 23A

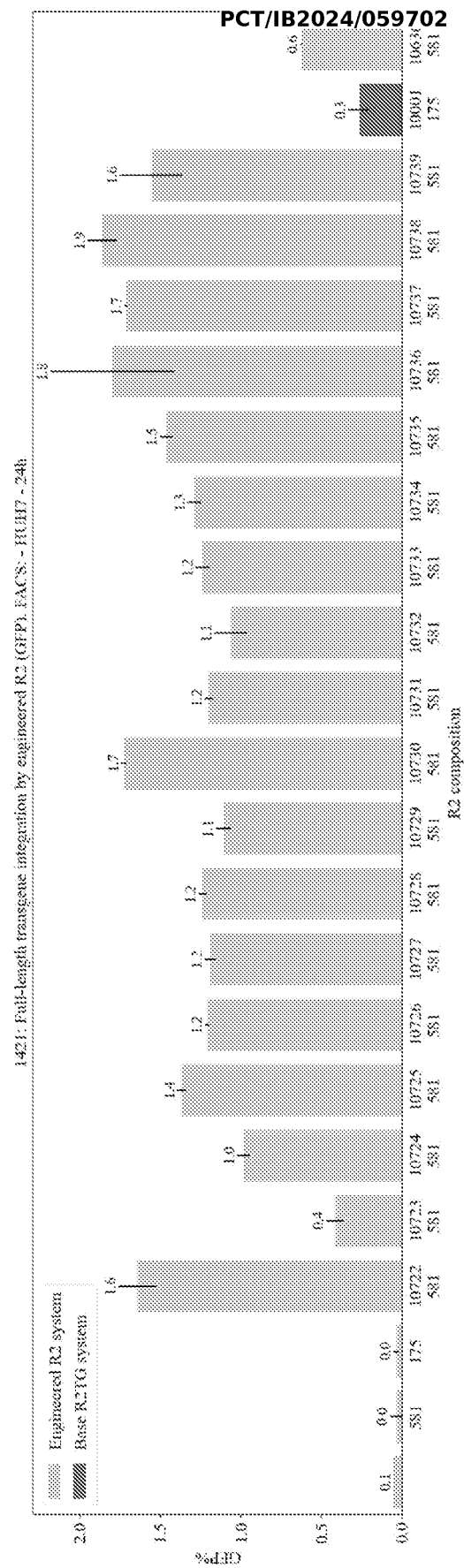


FIG. 23B

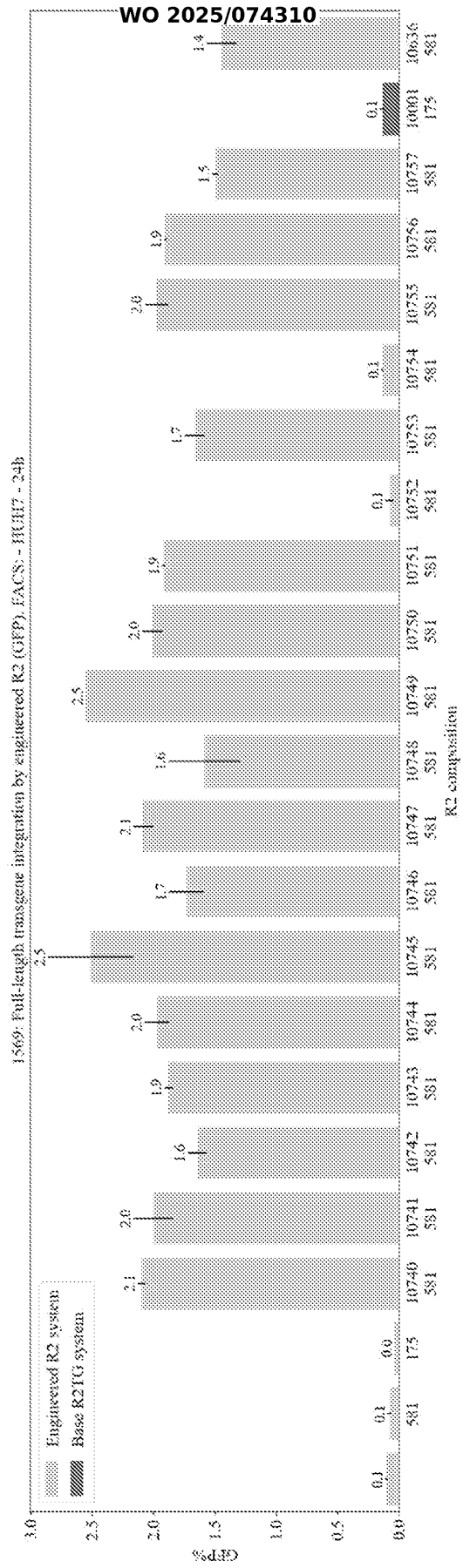


FIG. 24A

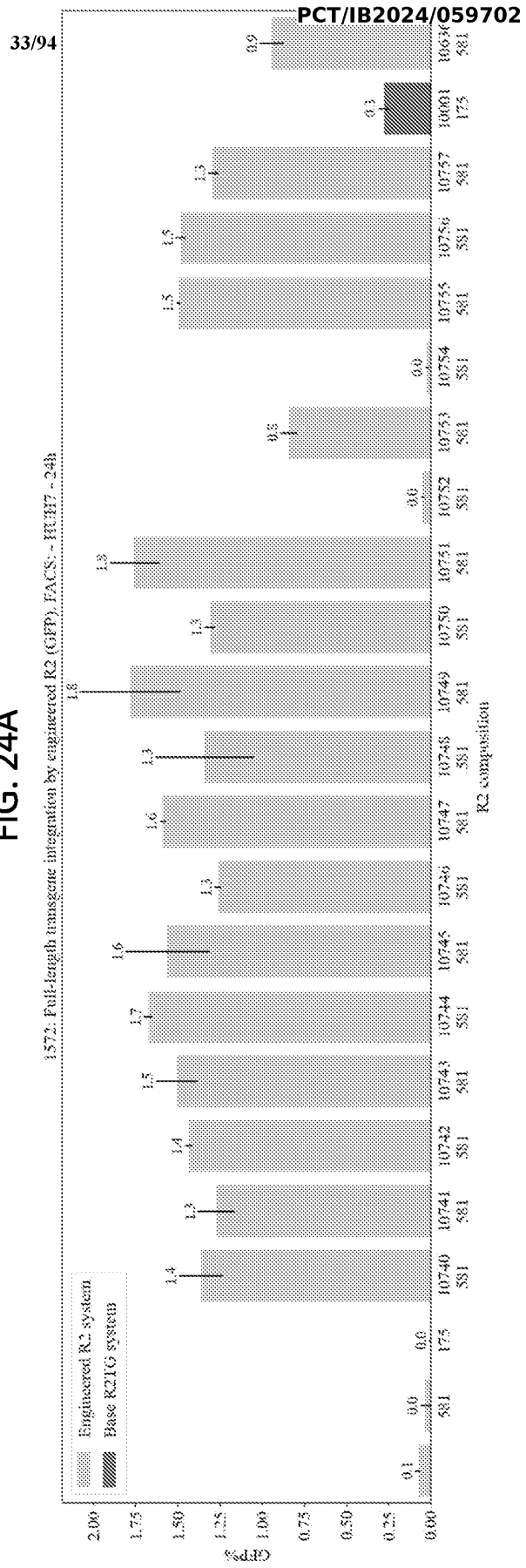


FIG. 24B

1429: Full-length transgene integration by engineered R2 (GFP), FACS: - HUH7 - 24h

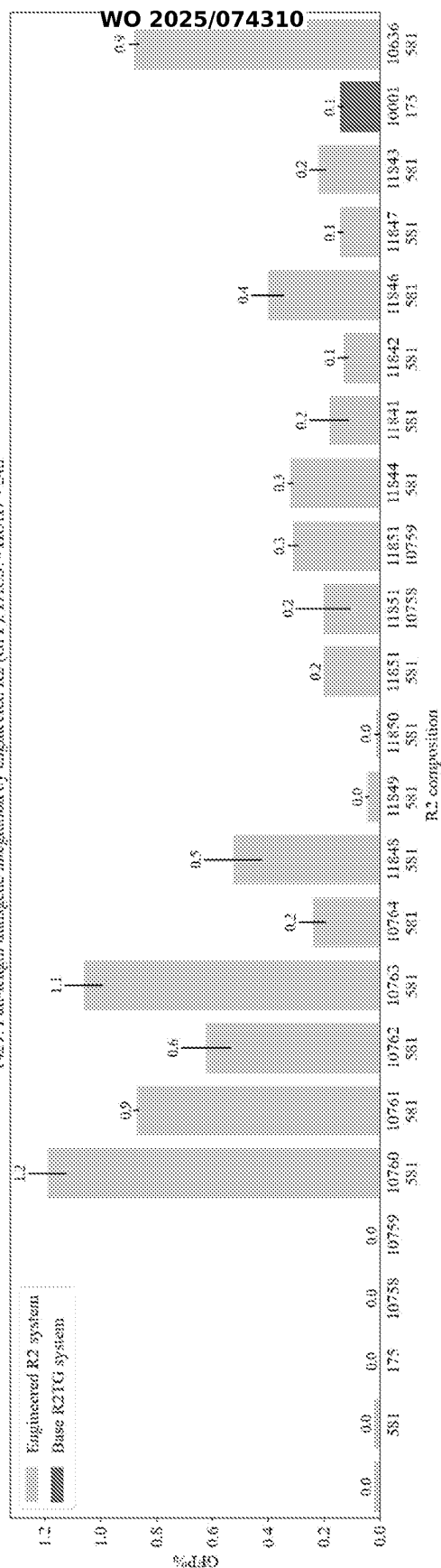


FIG. 25A

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1432: Full-length transgene integration by engineered R2 (GFP), FACS: - HUH7 - 24h

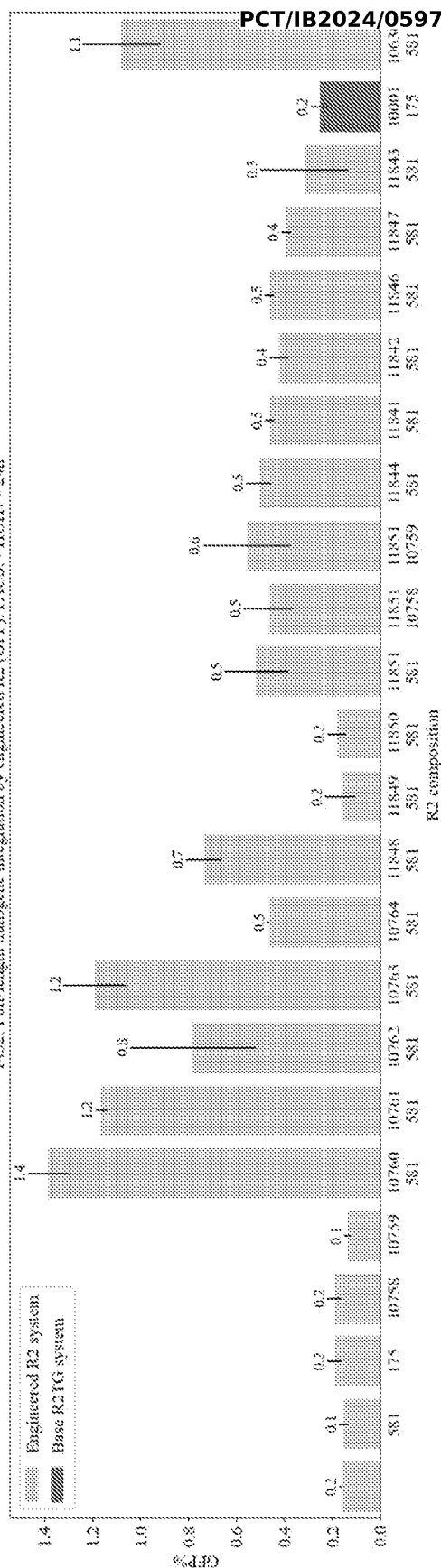


FIG. 25B

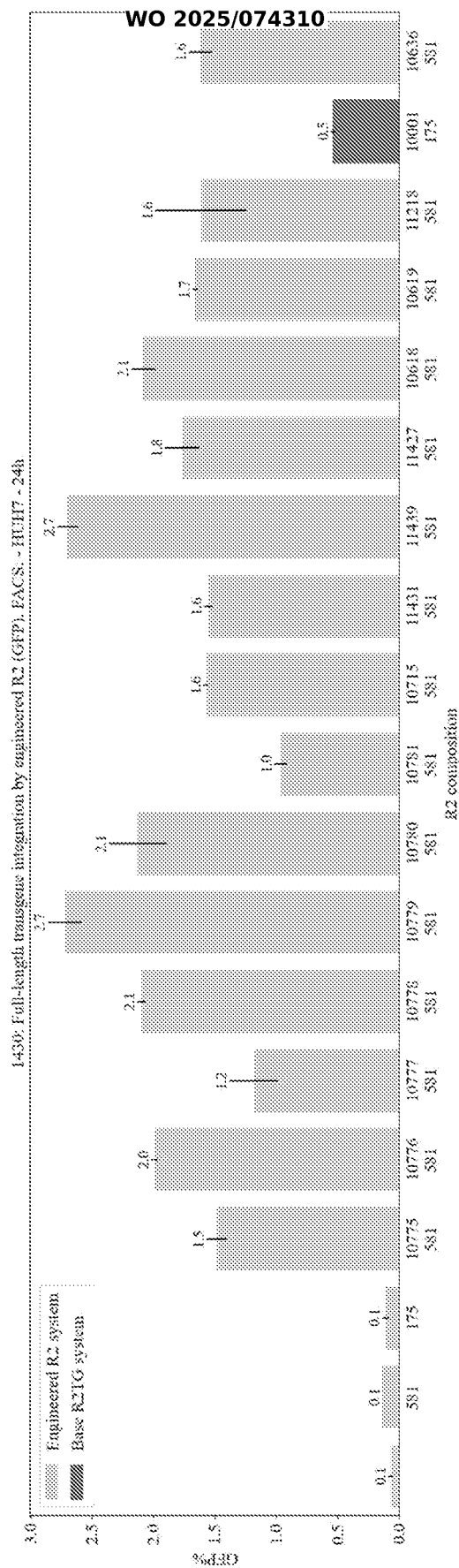


FIG. 26A

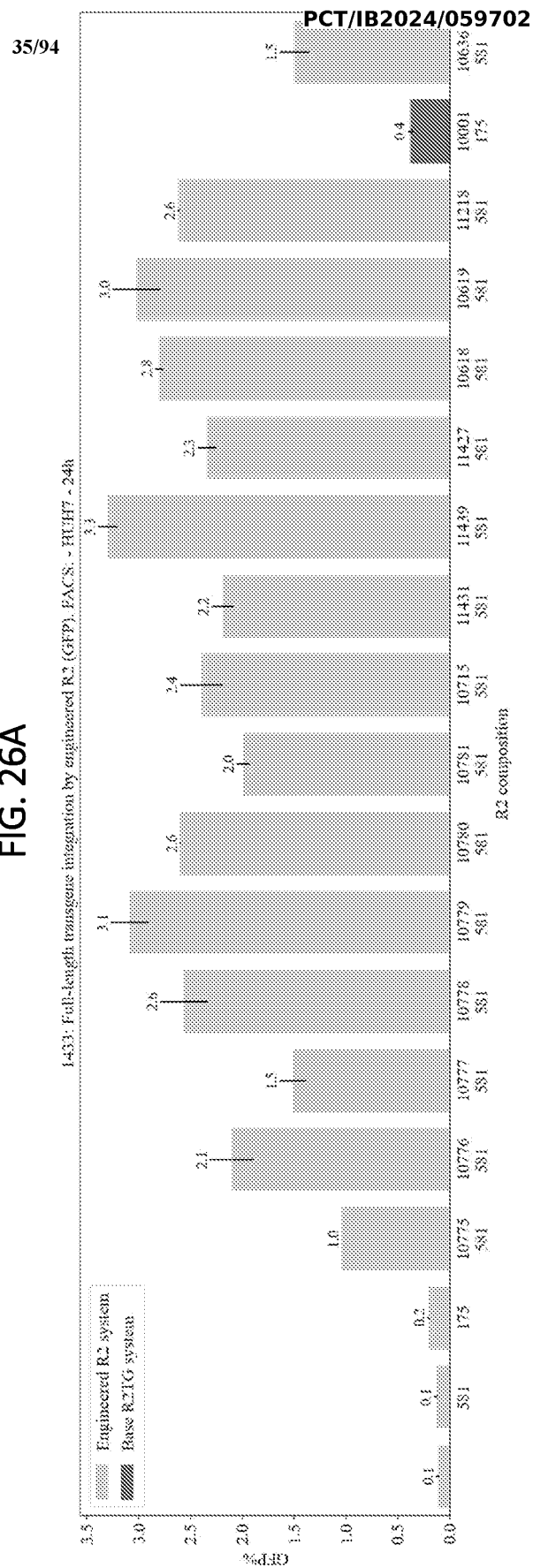


FIG. 26B

1431: Full-length transgene integration by engineered R2 (GFP), FACS - HUH7 - 24h

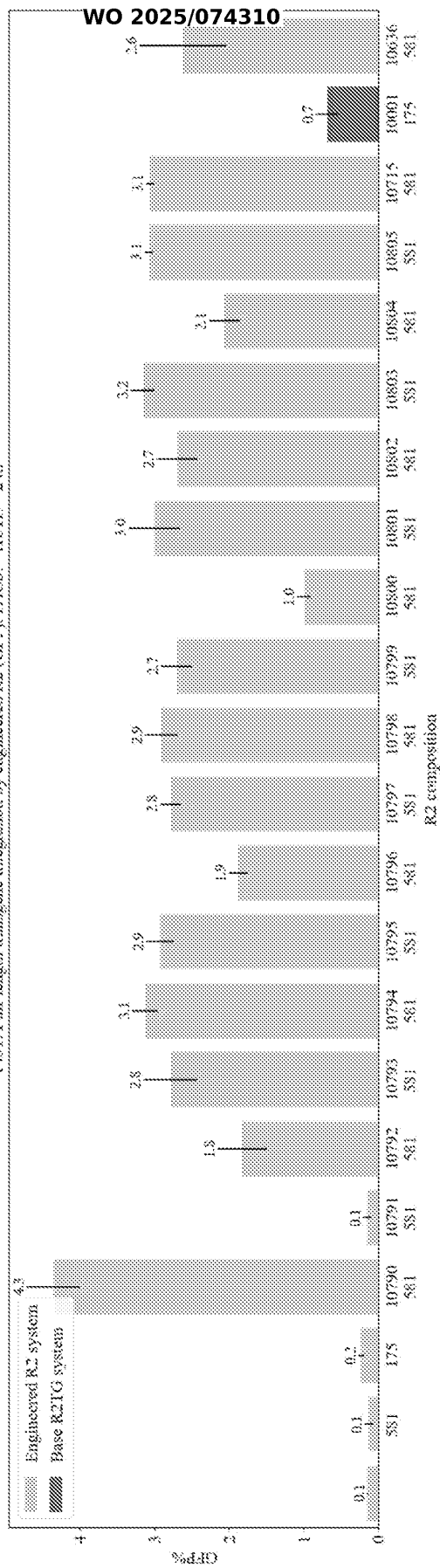


FIG. 27A

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1414: Full-length transgene integration by engineered R2 (GFP), FACS - HUH7 - 24h

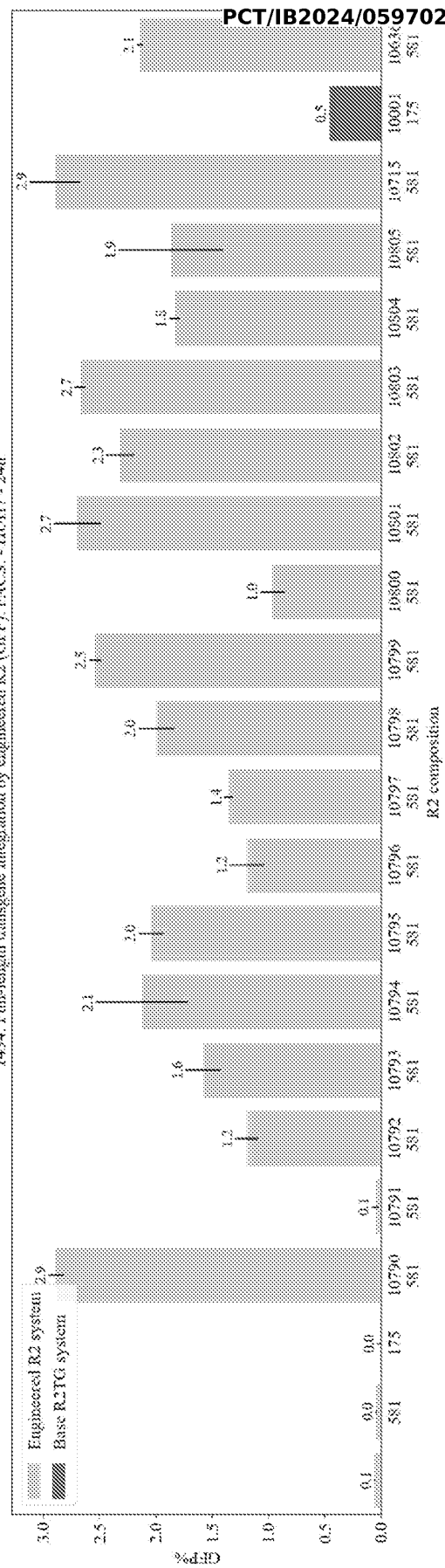


FIG. 27B

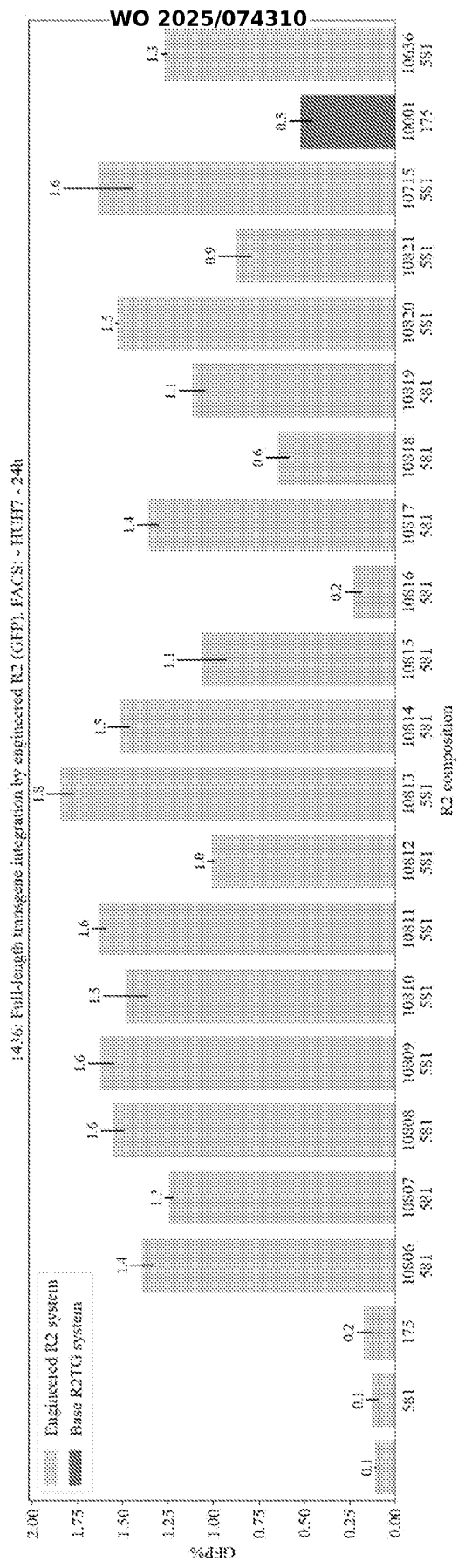


FIG. 28A

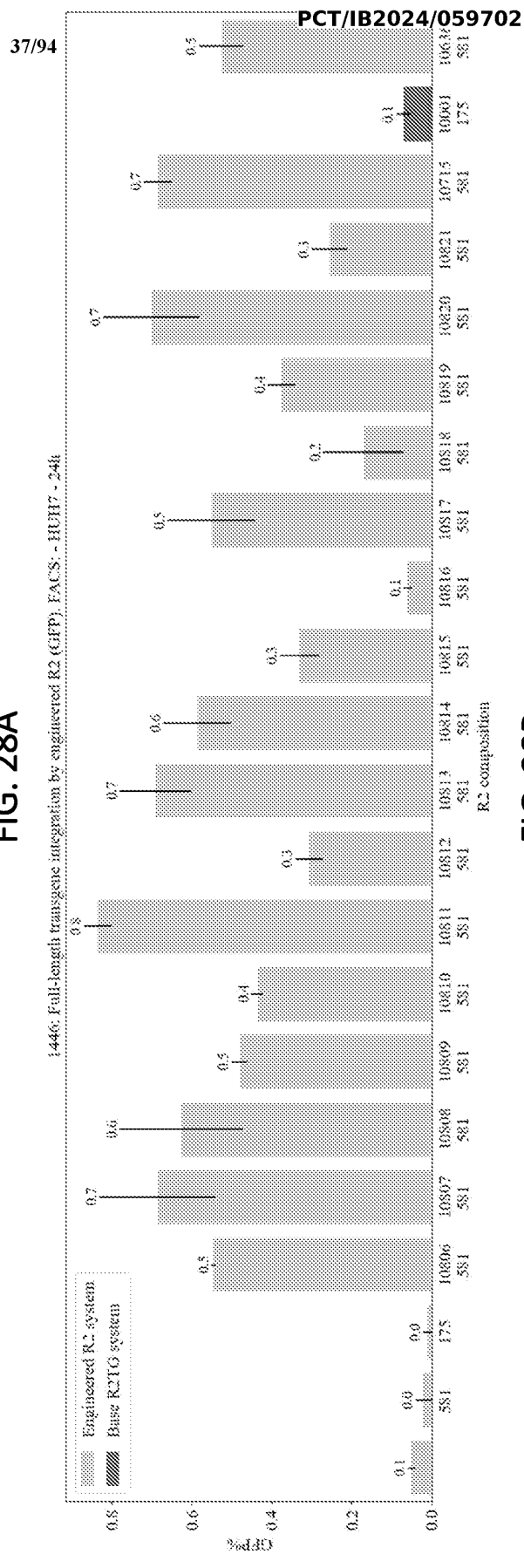


FIG. 28B

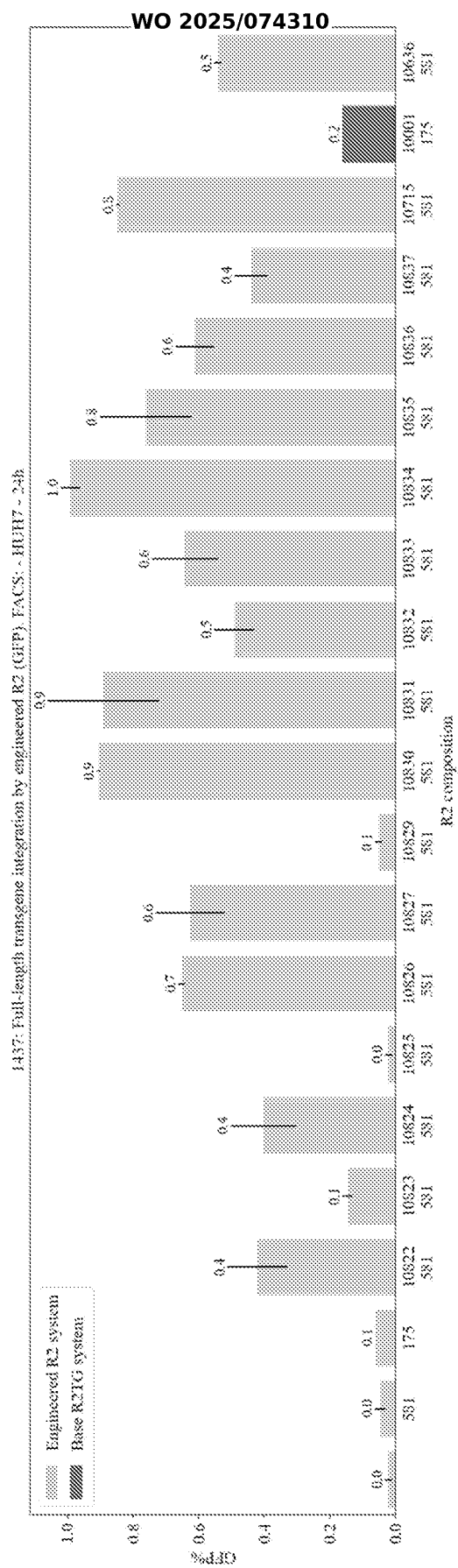


FIG. 29A

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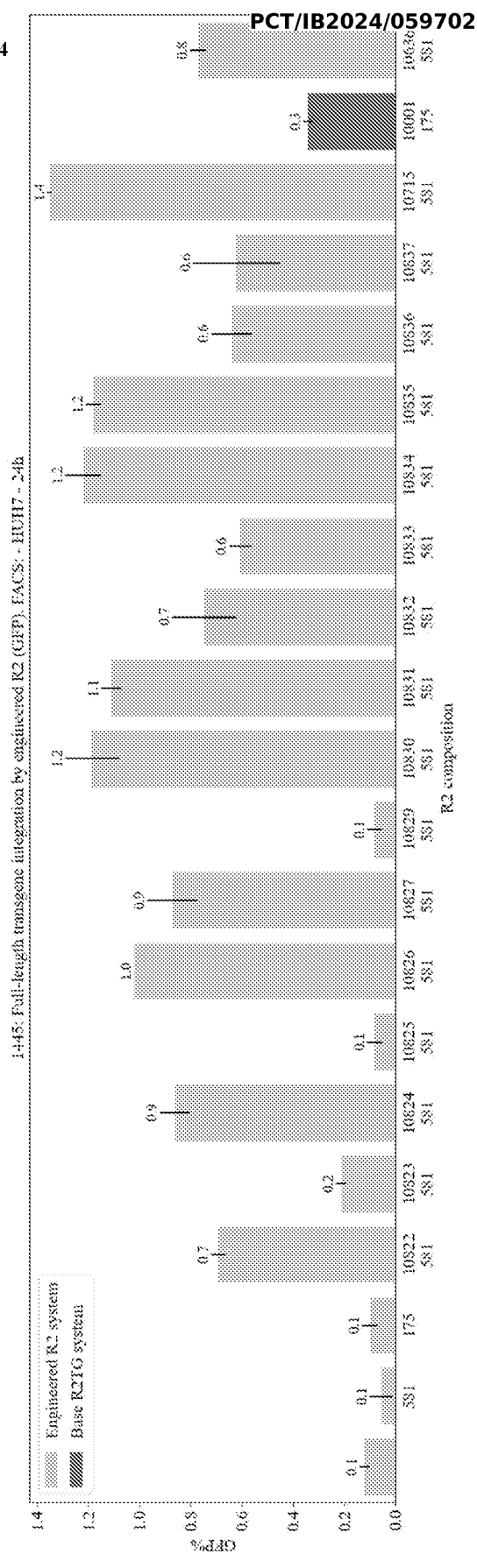


FIG. 29B

1448: Full-length transgene integration by engineered R2 (GFP). FACS: - HUH7 - 24h

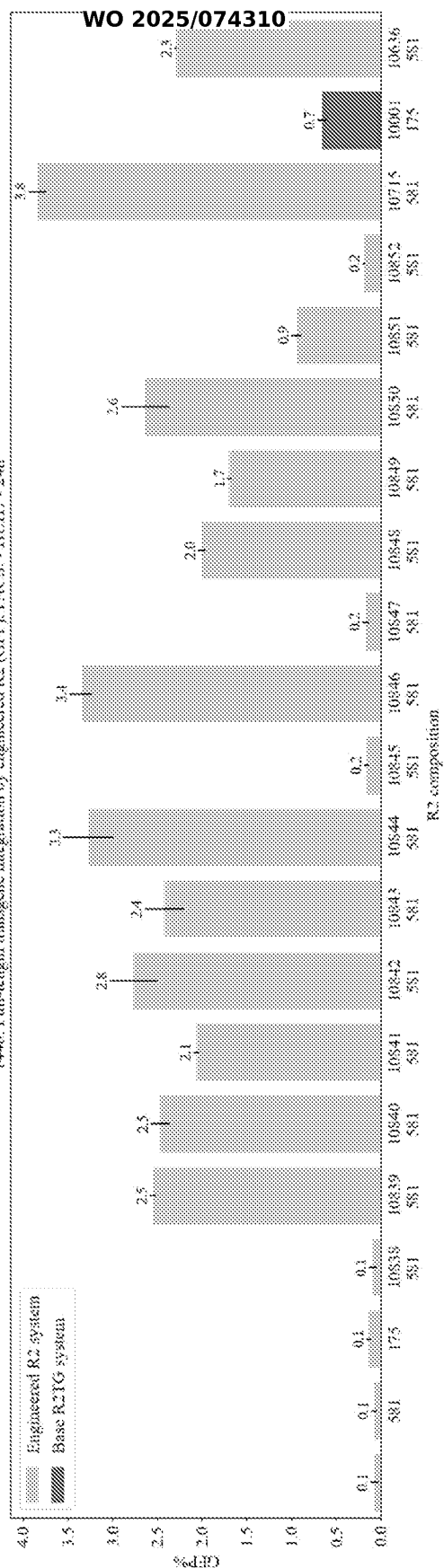


FIG. 30A

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1452: Full-length transgene integration by engineered R2 (GFP). FACS: - HUH7 - 24h

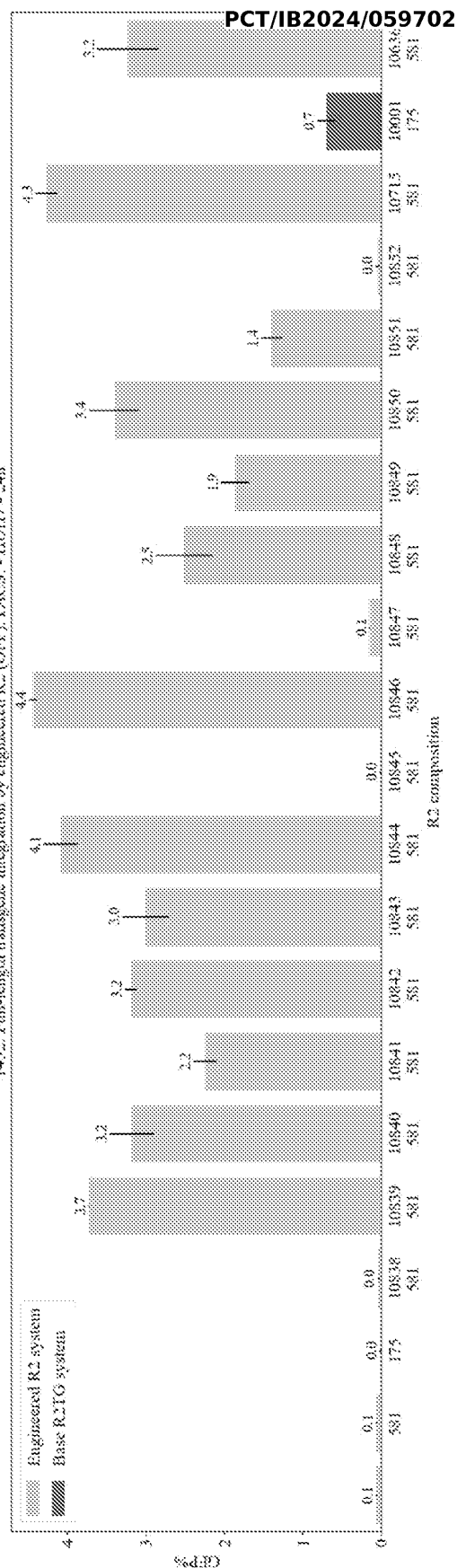


FIG. 30B

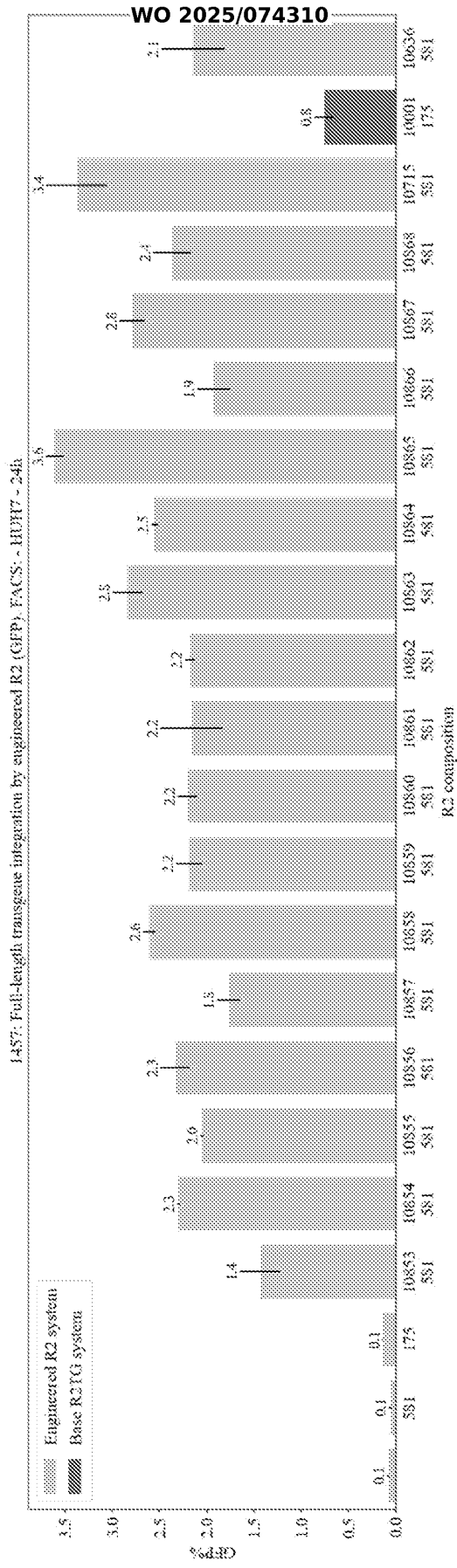


FIG. 31A

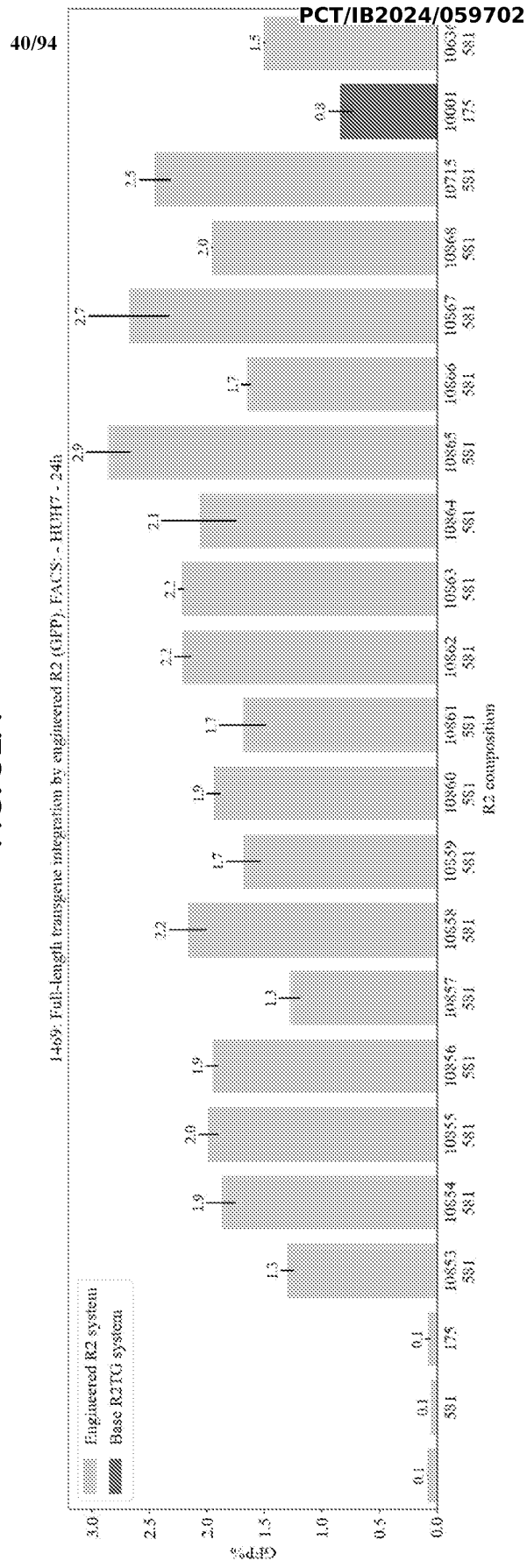


FIG. 31B

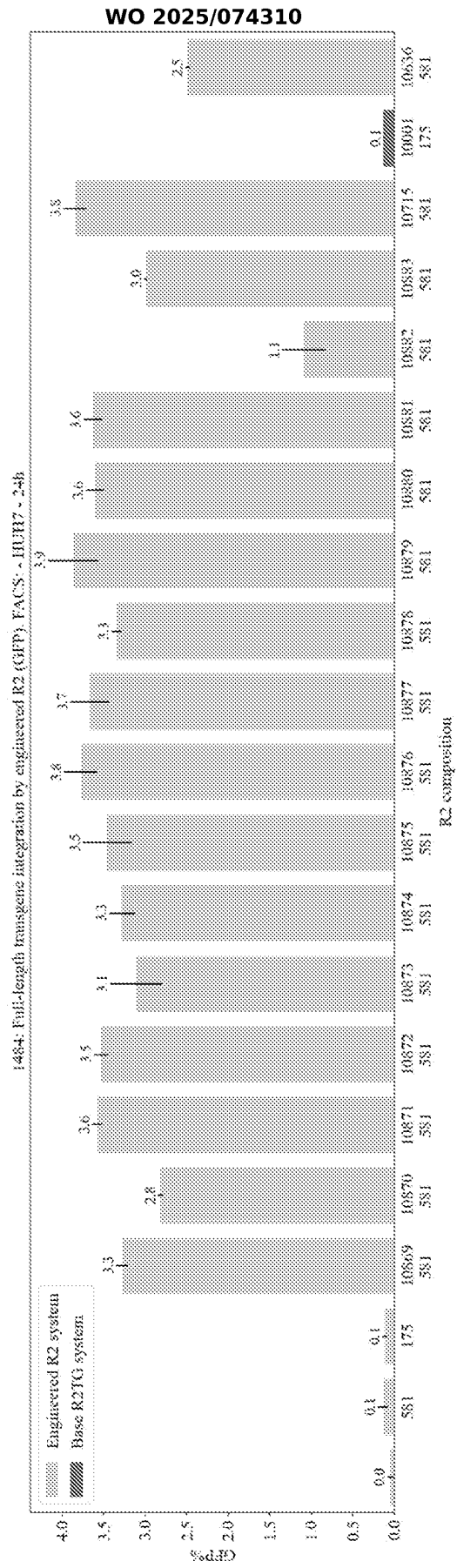


FIG. 32A

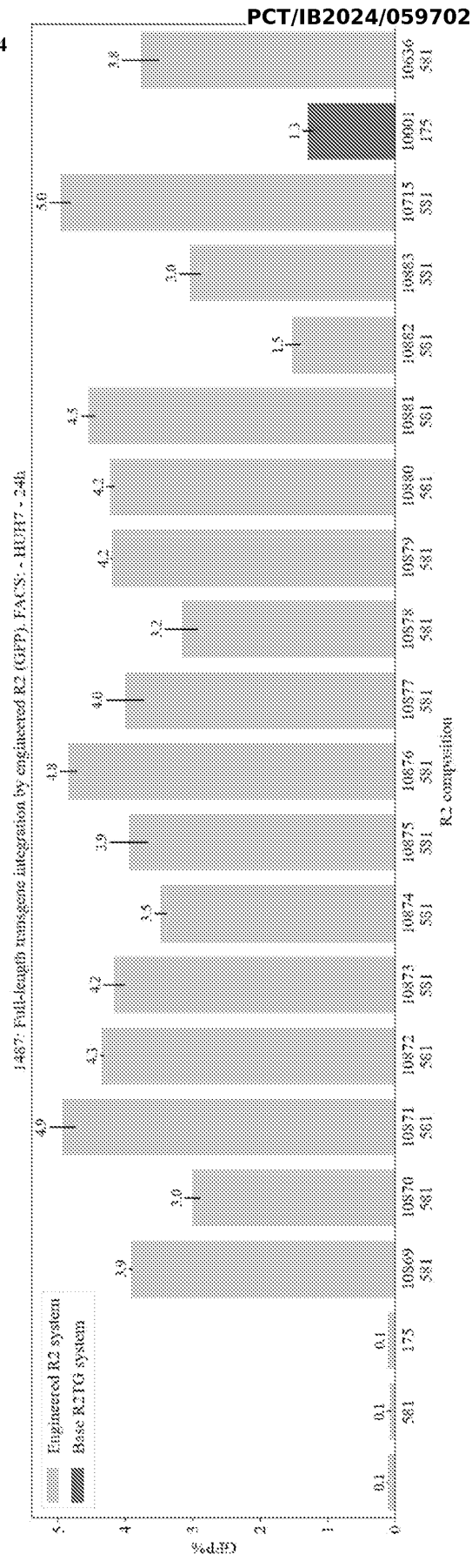


FIG. 32B

1449: Full-length transgene integration by engineered R2 (GFP), FACS: - HU17 - 24h

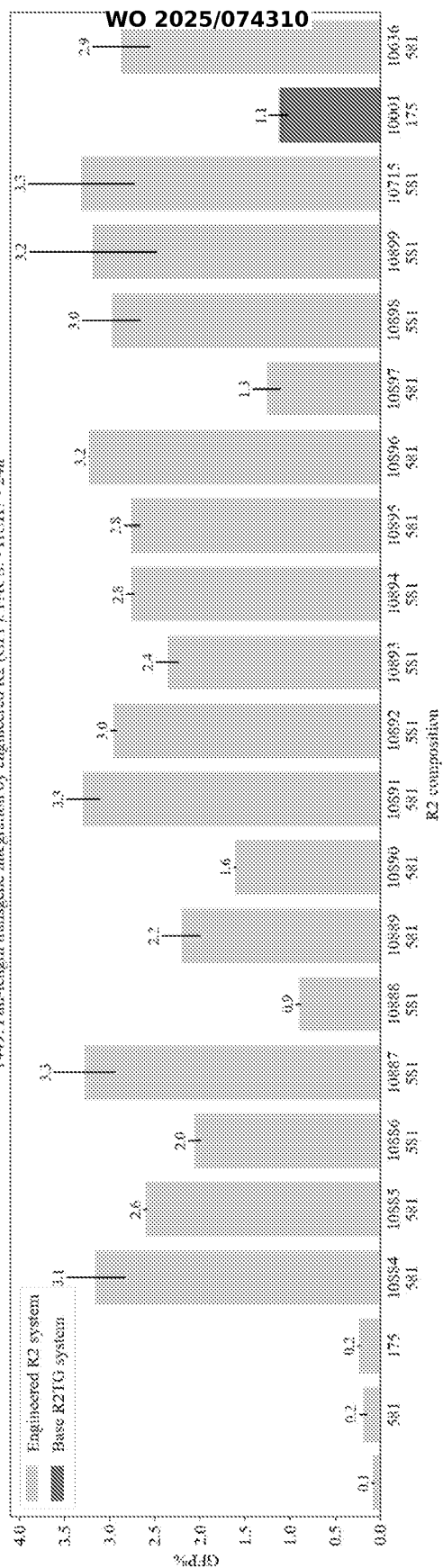


FIG. 33A

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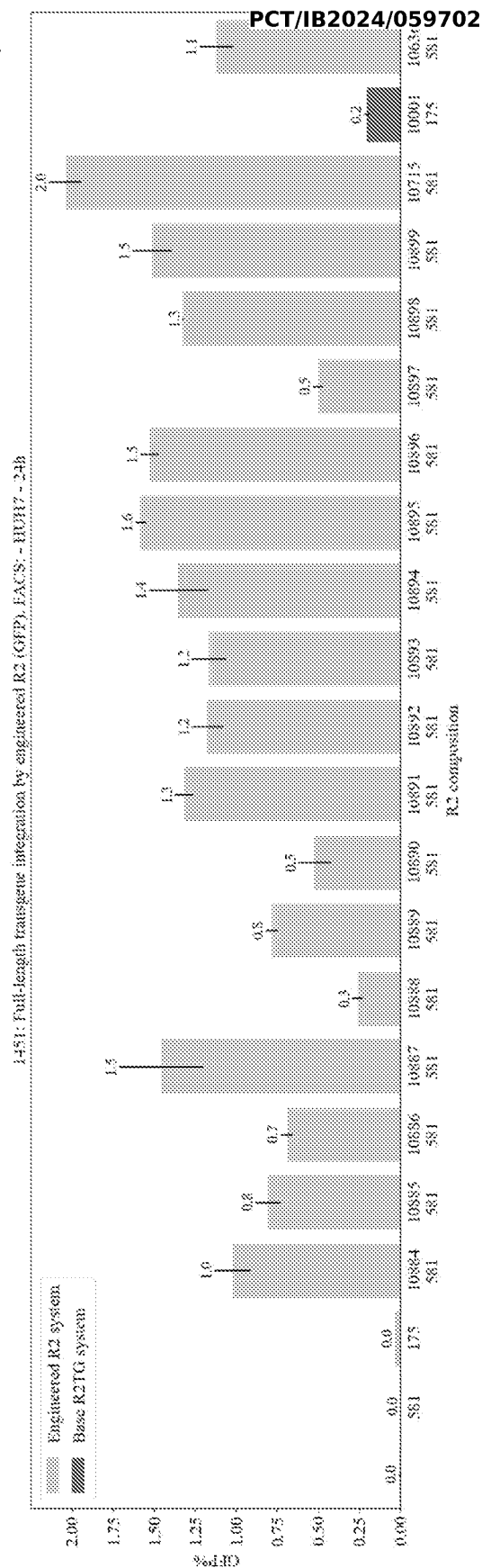


FIG. 33B

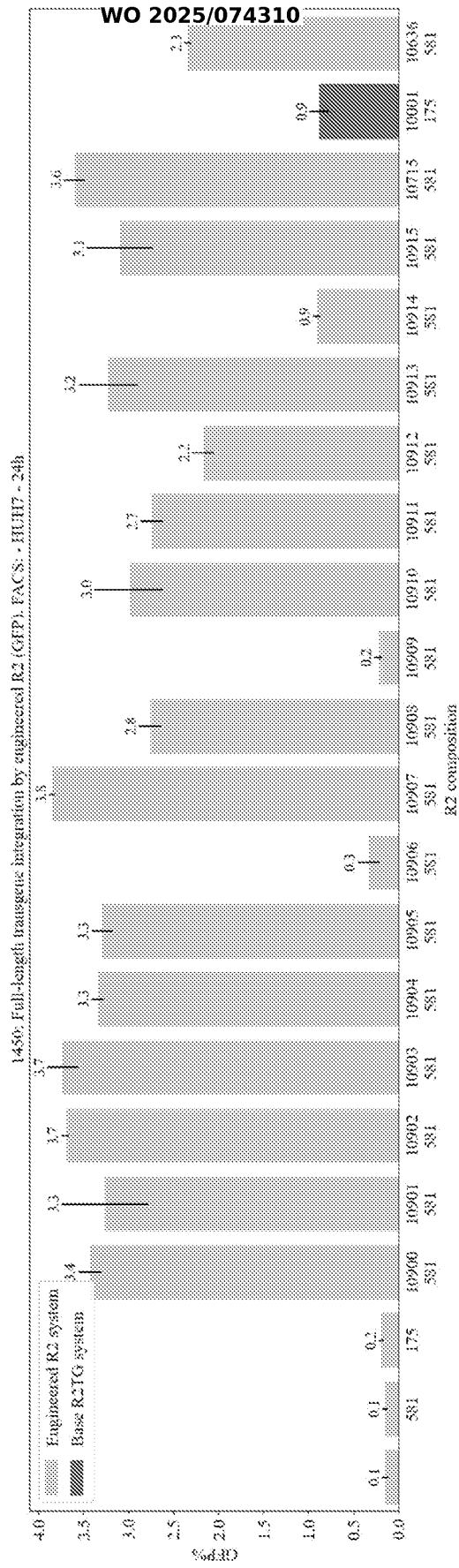


FIG. 34A

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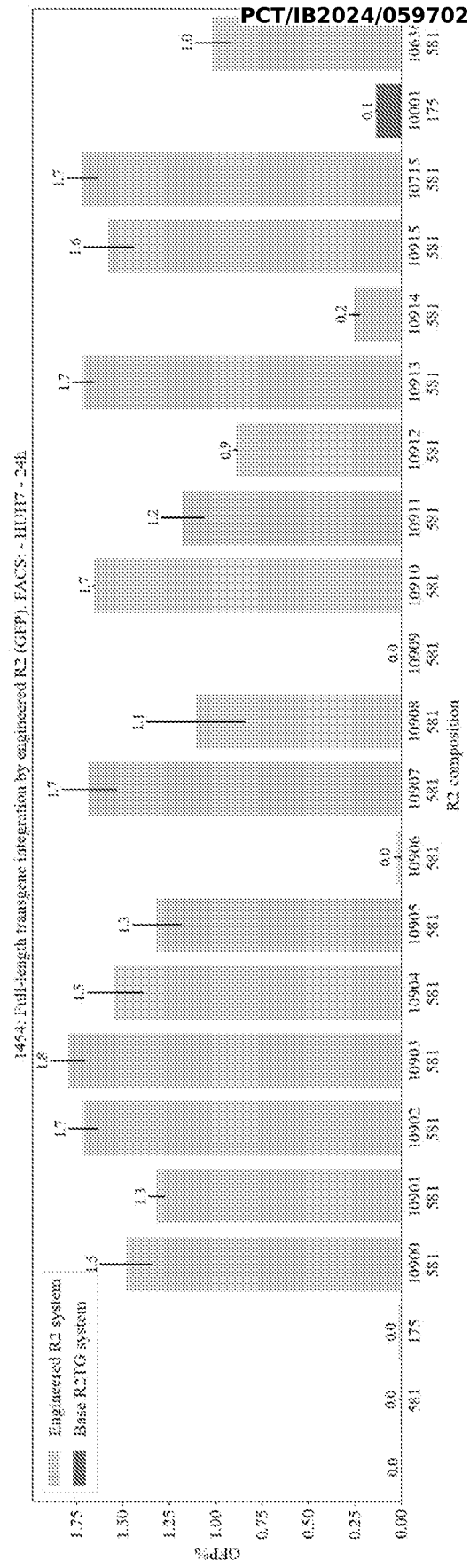


FIG. 34B

1461: Full-length transgene integration by engineered R2 (GFP), FACS - HU17 - 24a

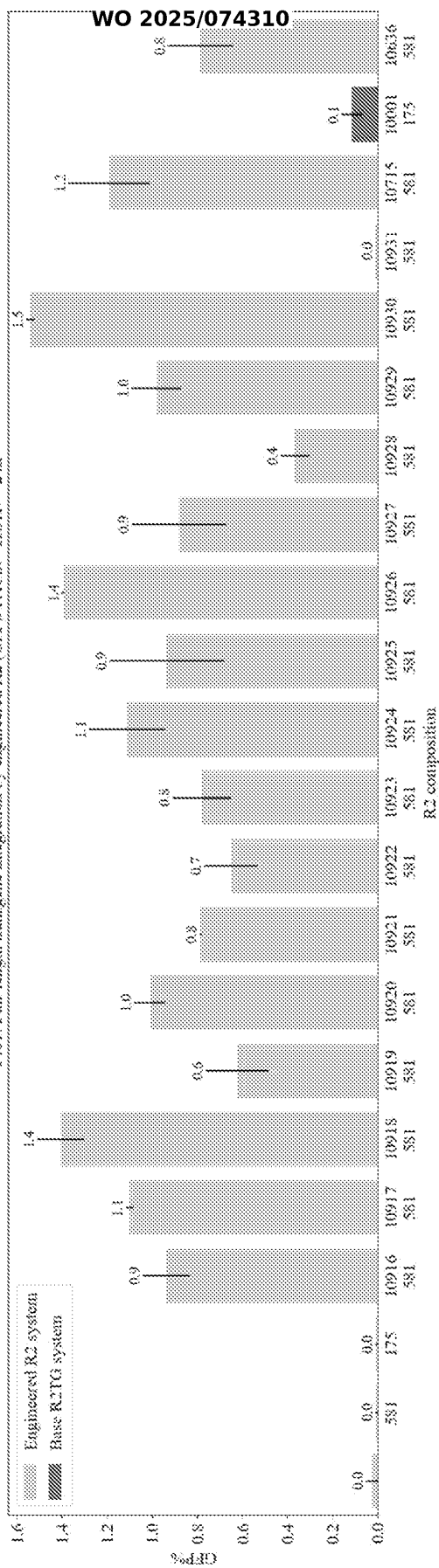


FIG. 35A

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1465: Full-length transgene integration by engineered R2 (GFP), FACS - HU17 - 24b

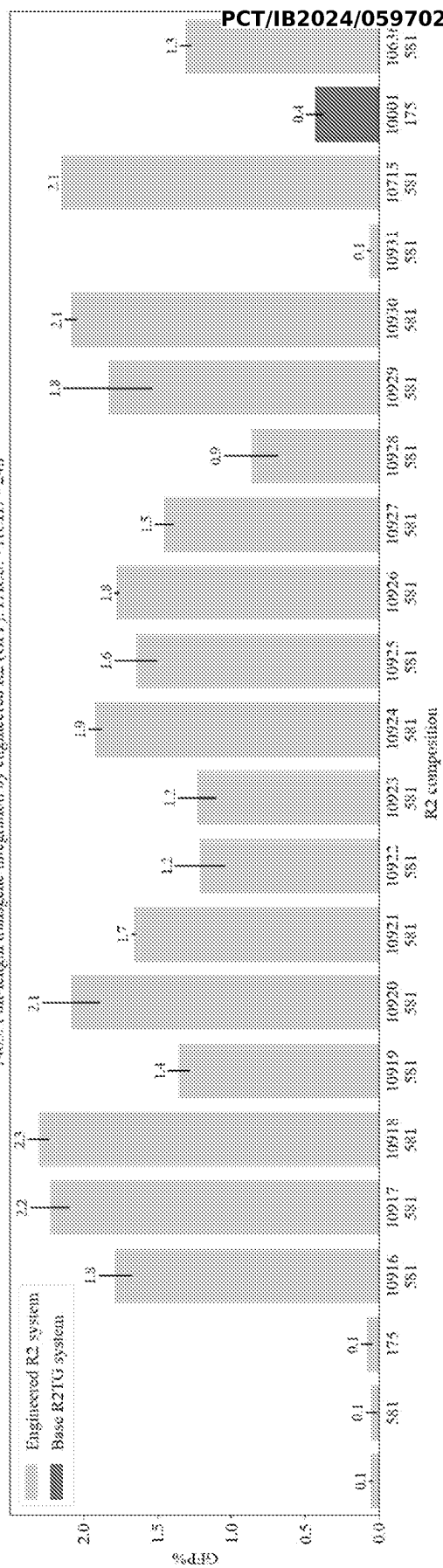


FIG. 35B

1485: Full-length transgene integration by engineered R2 (GFP). FACS: - HUH7 - 24h

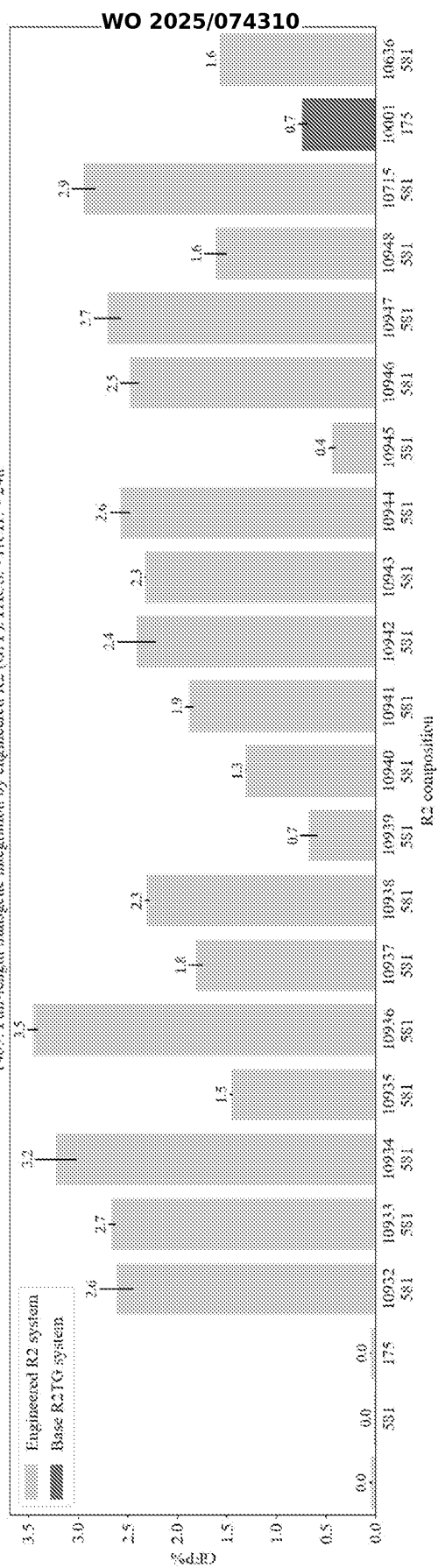


FIG. 36A

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1488: Full-length transgene integration by engineered R2 (GFP). FACS: - HUH7 - 24h

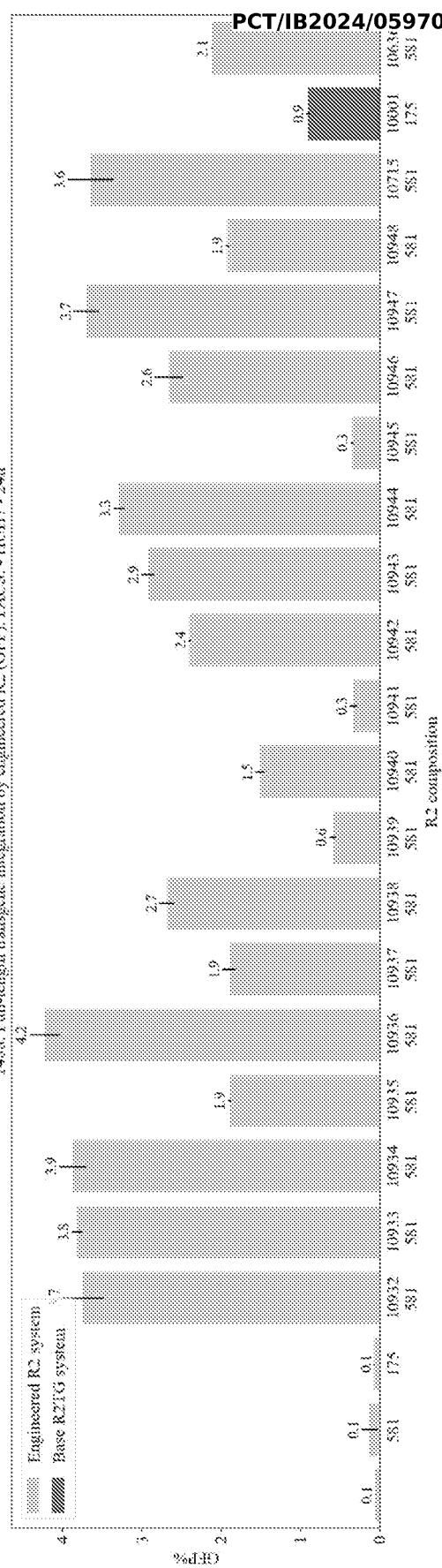


FIG. 36B

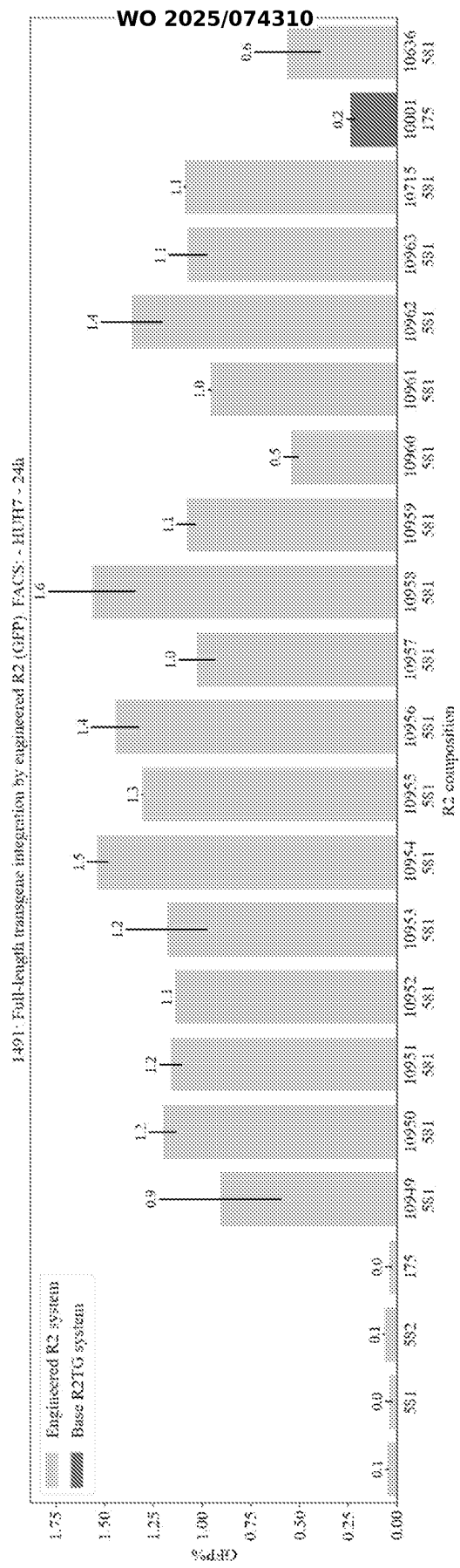


FIG. 37A

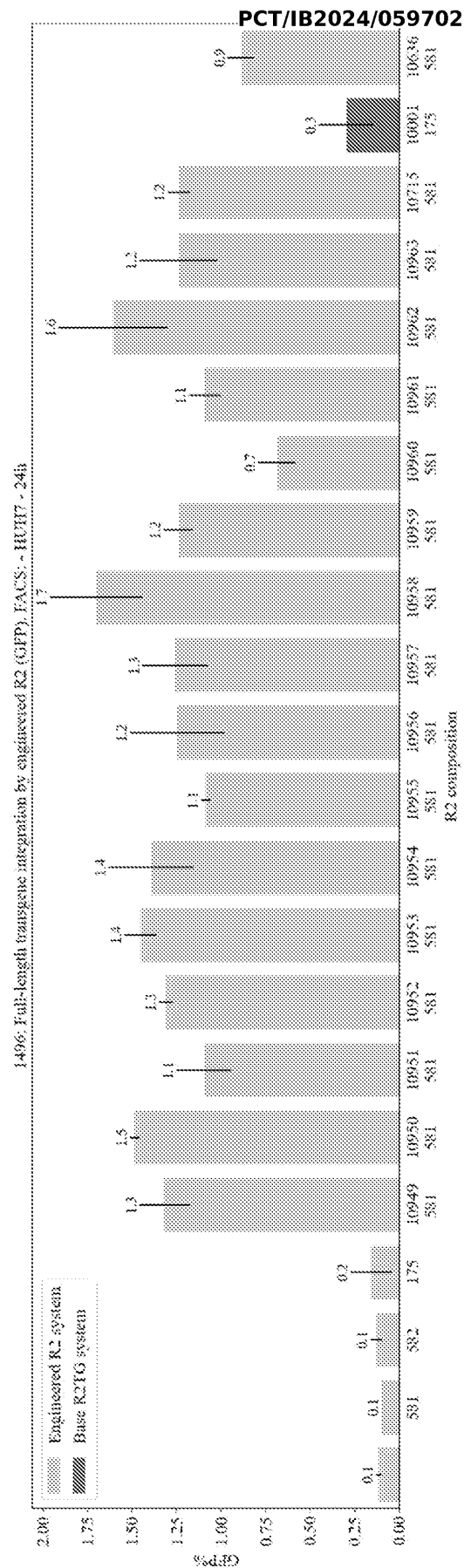


FIG. 37B

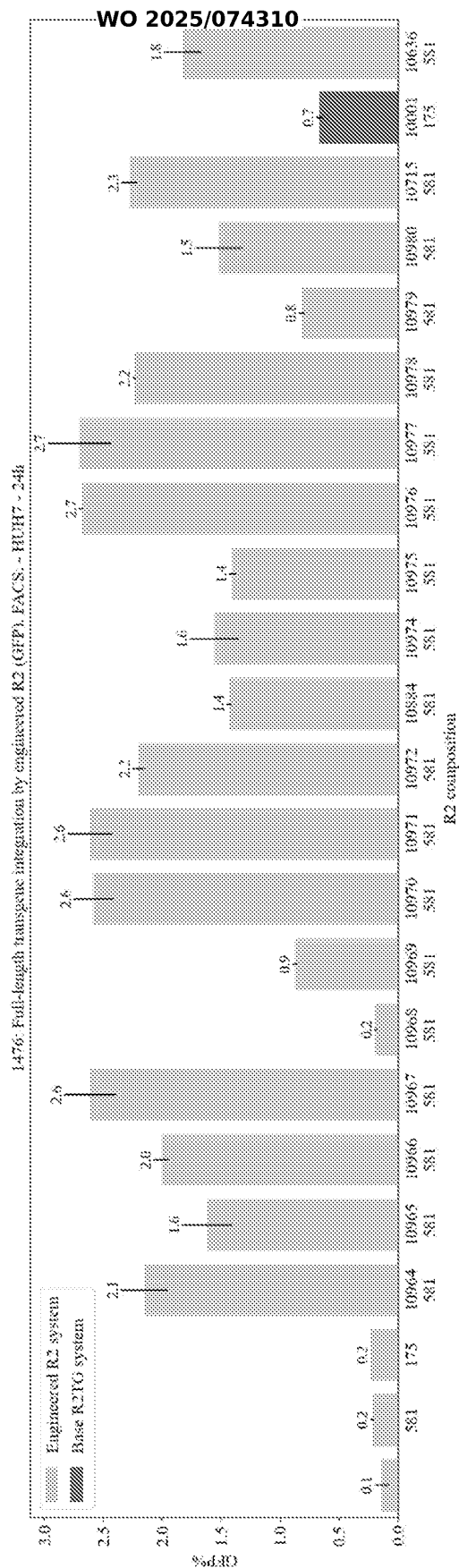


FIG. 38A

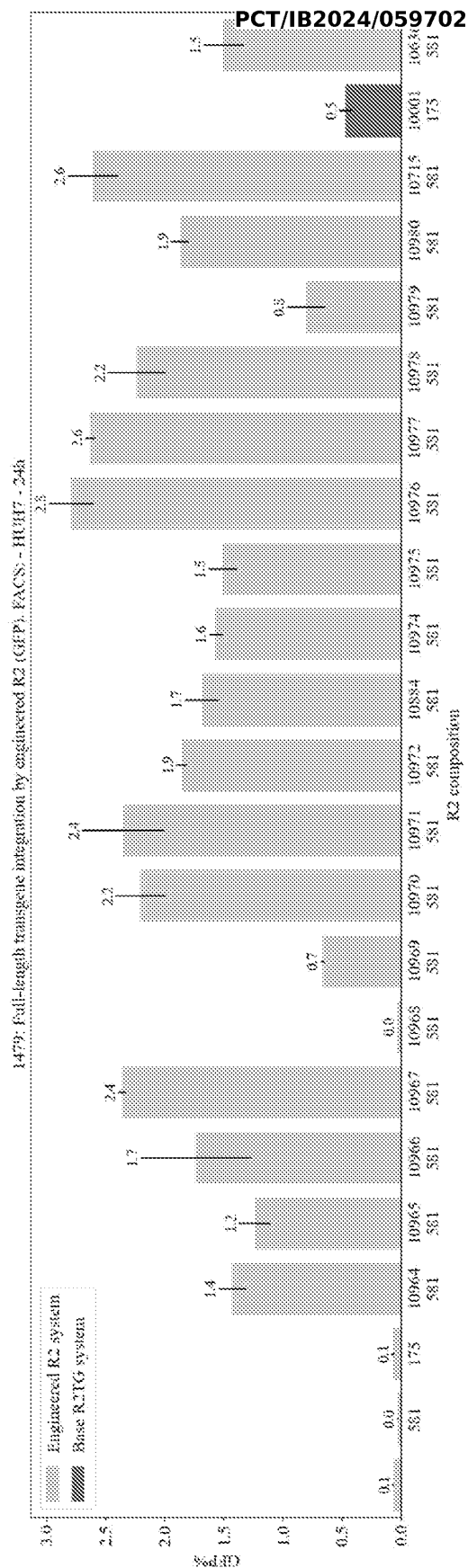


FIG. 38B

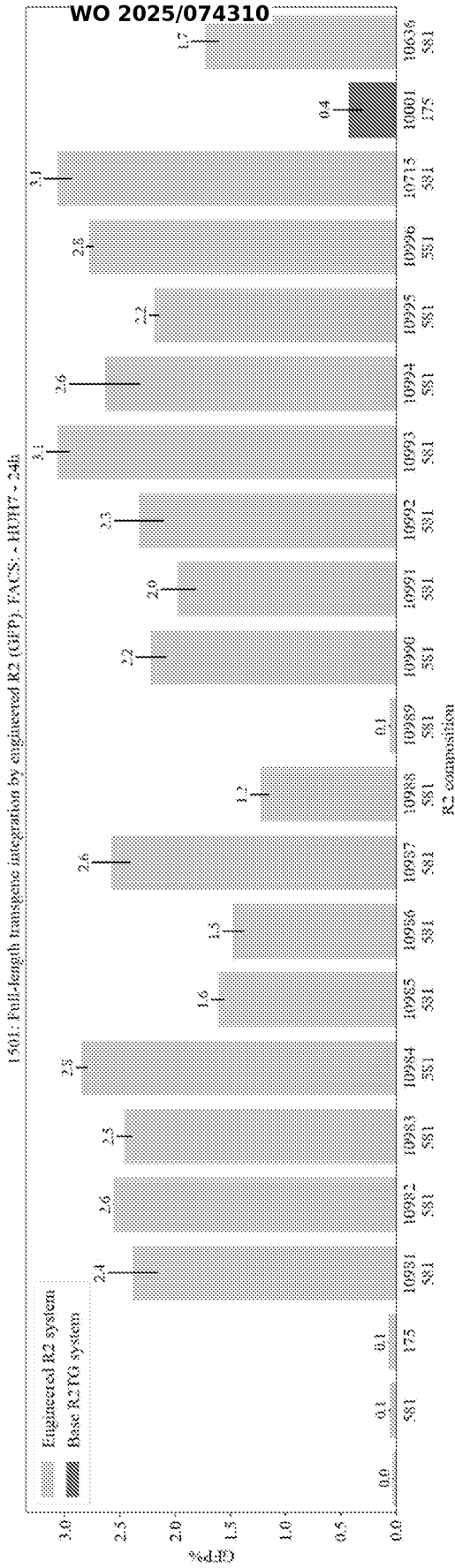


FIG. 39A

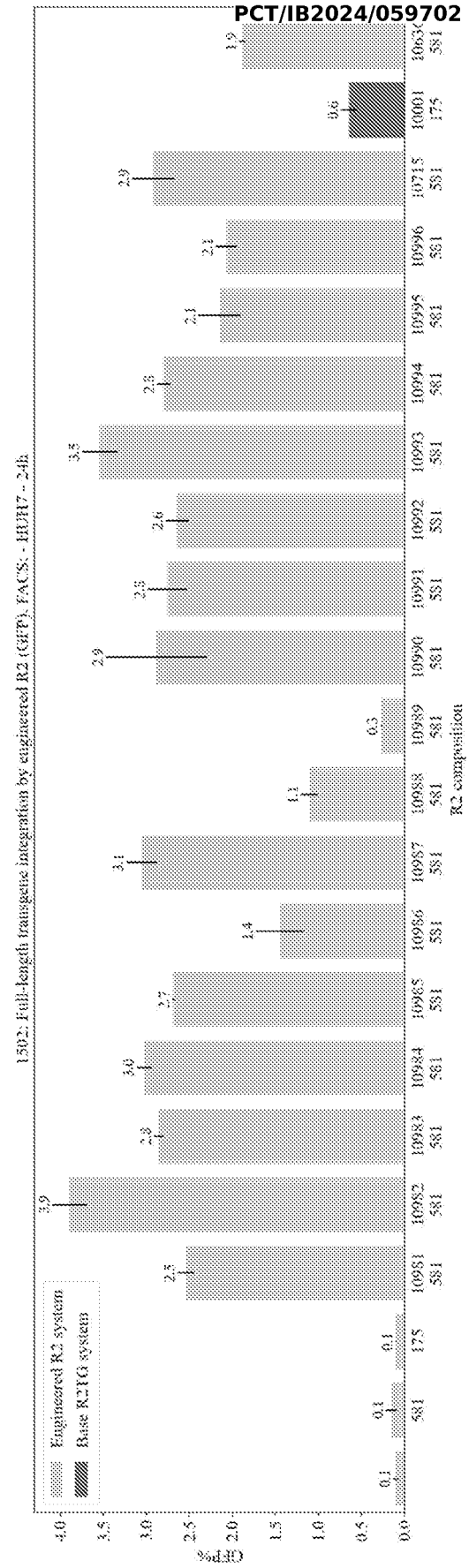


FIG. 39B

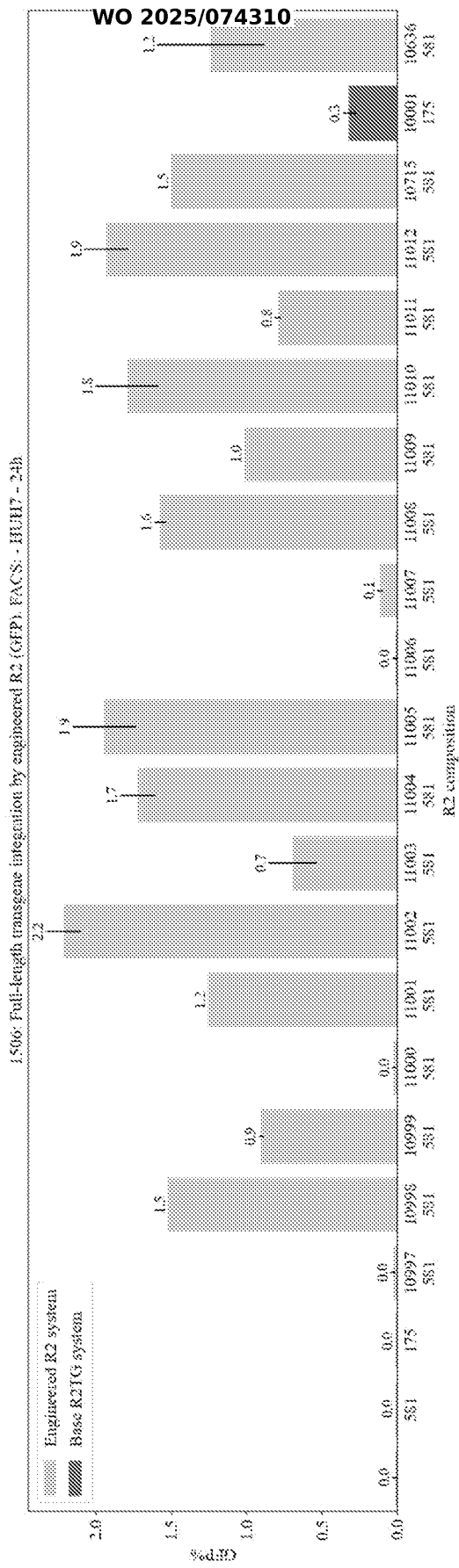


FIG. 40A

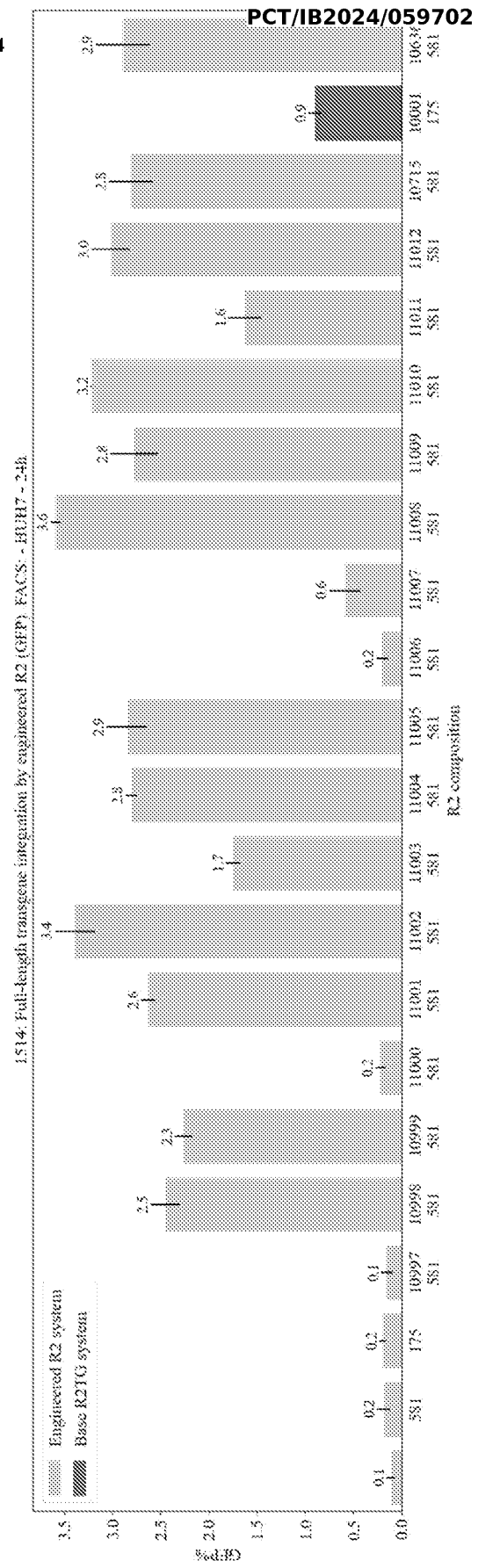


FIG. 40B

1508: Full-length transgene integration by engineered R2 (GFP). EACS - HUH7 - 24h

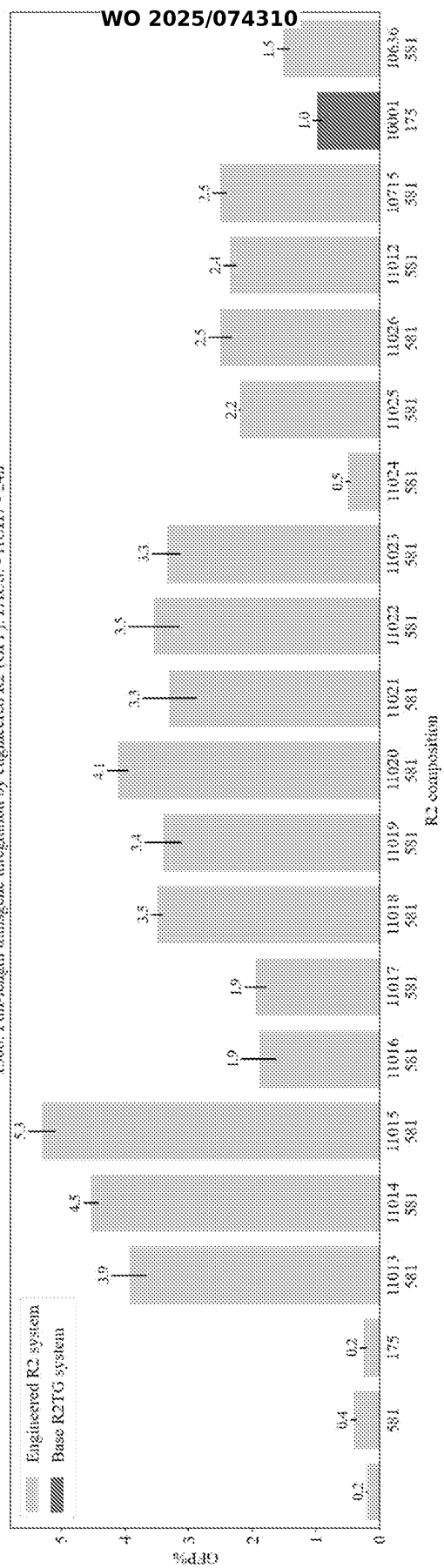


FIG. 41A

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1519: Full-length transgene integration by engineered R2 (GFP). EACS - HUH7 - 24h

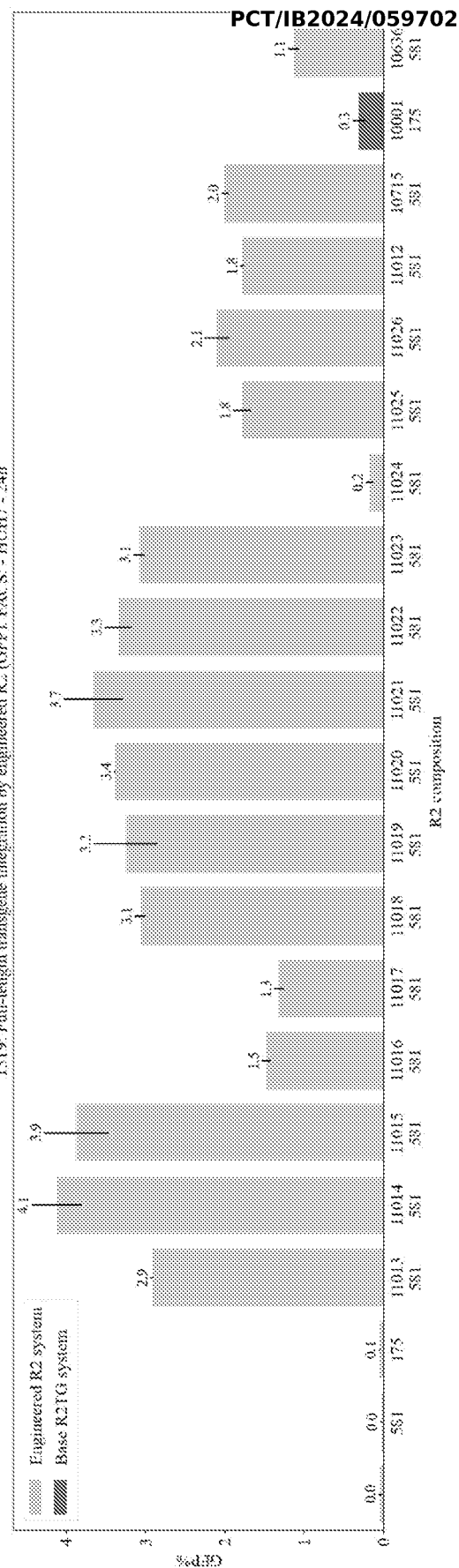


FIG. 41B

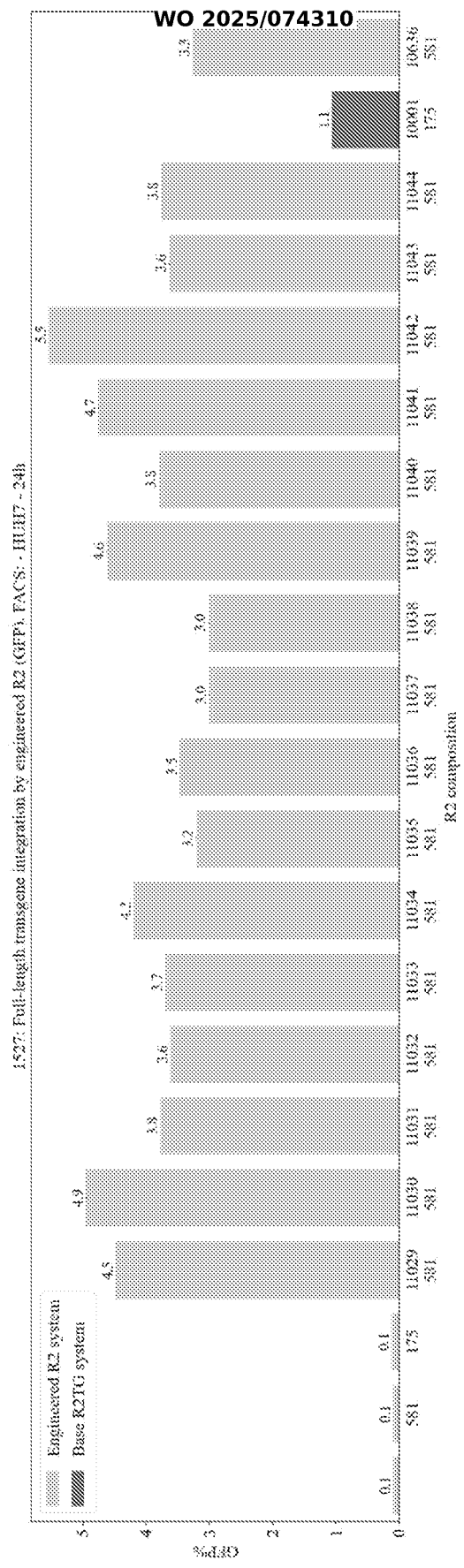


FIG. 42A

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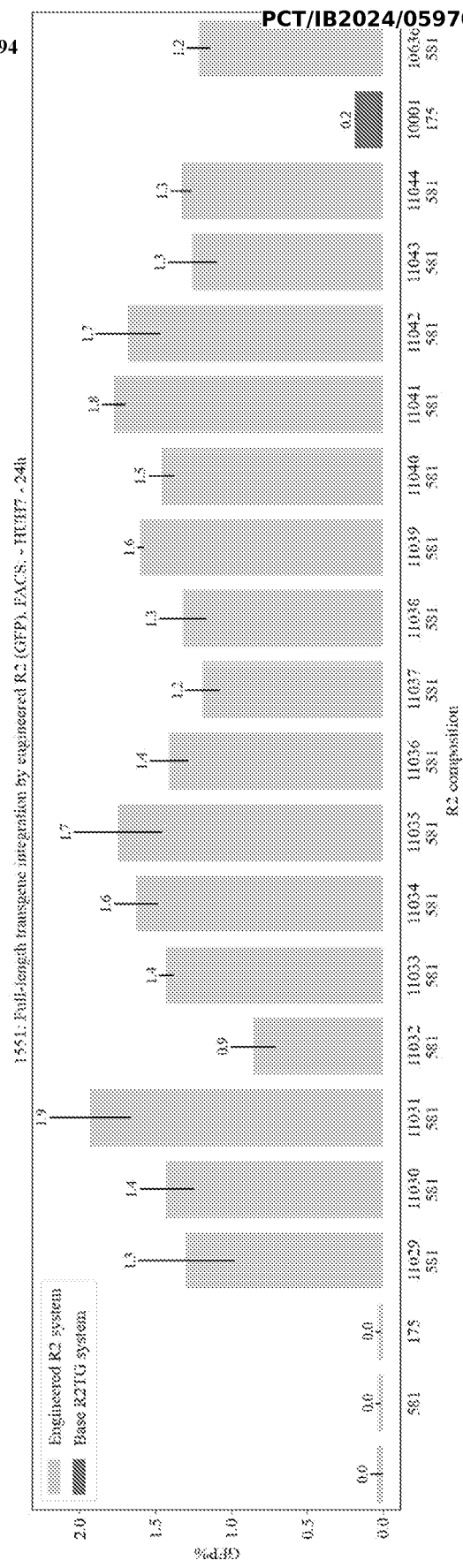


FIG. 42B

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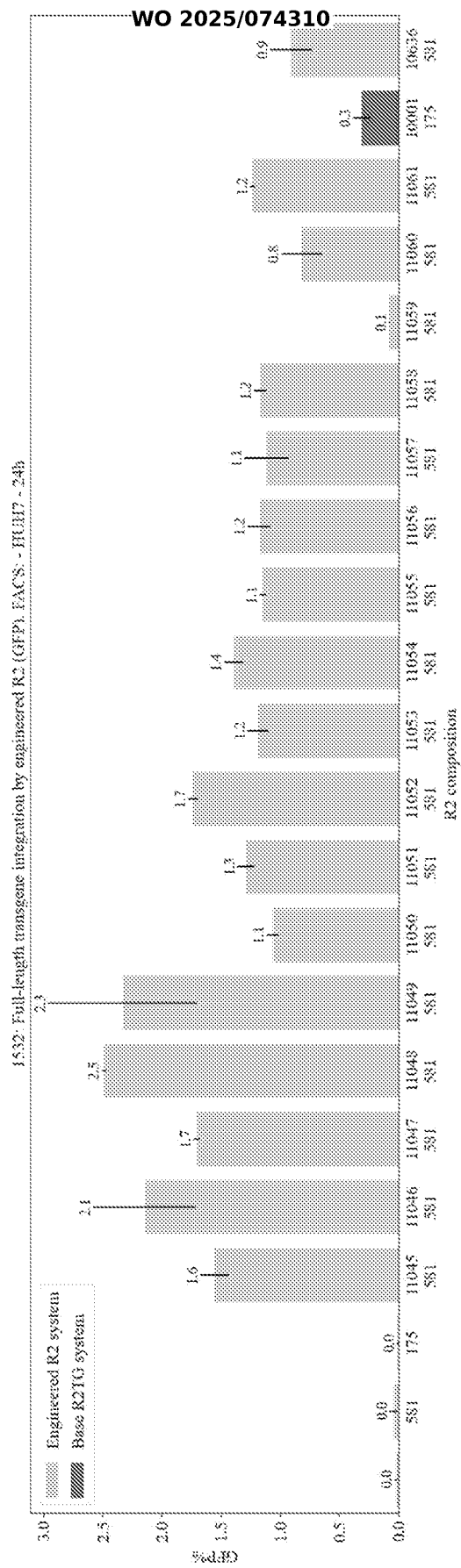


FIG. 43A

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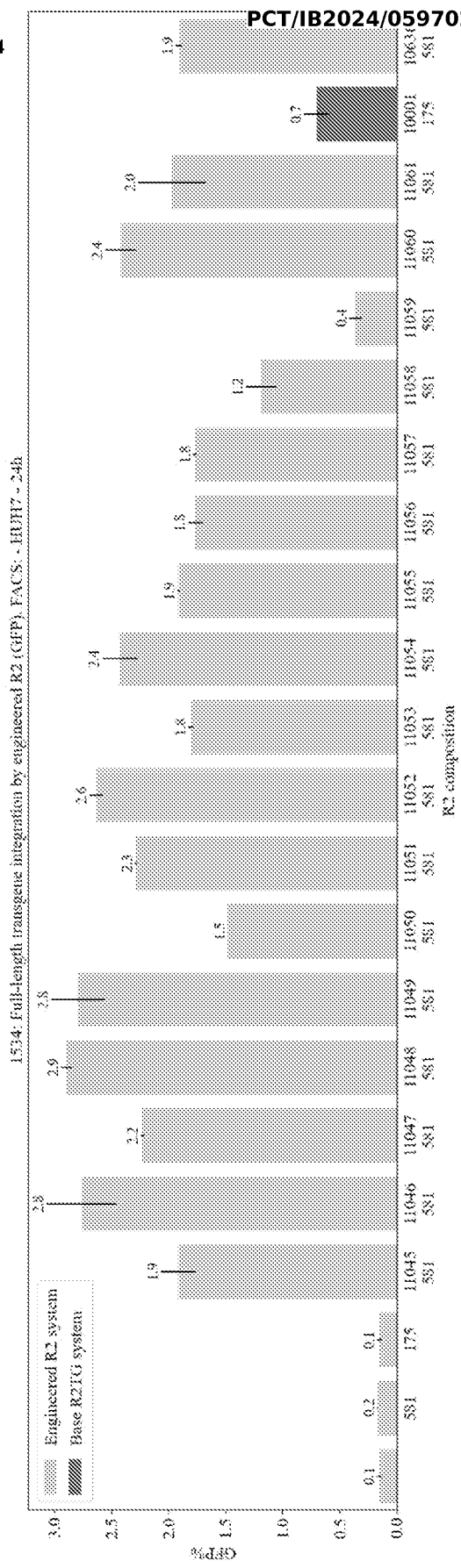


FIG. 43B

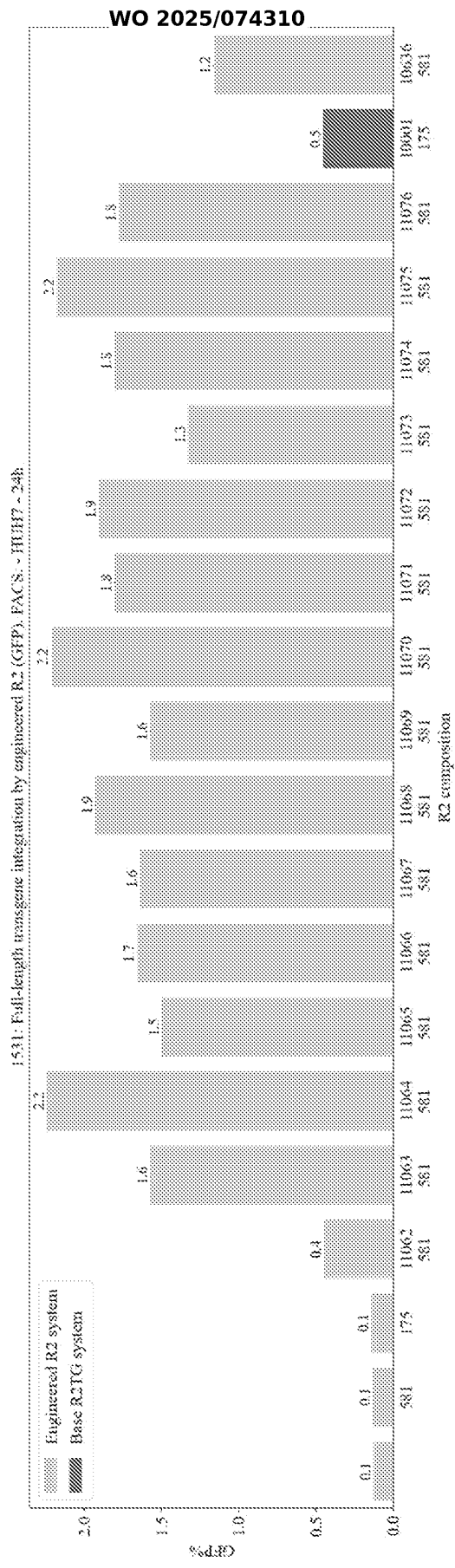


FIG. 44A

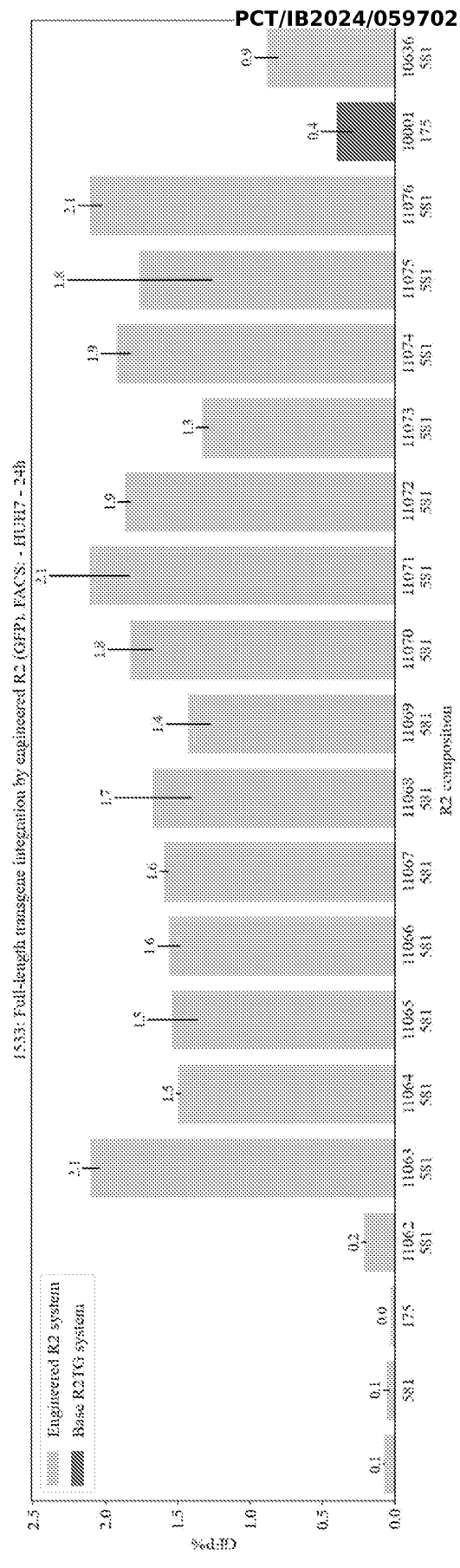


FIG. 44B

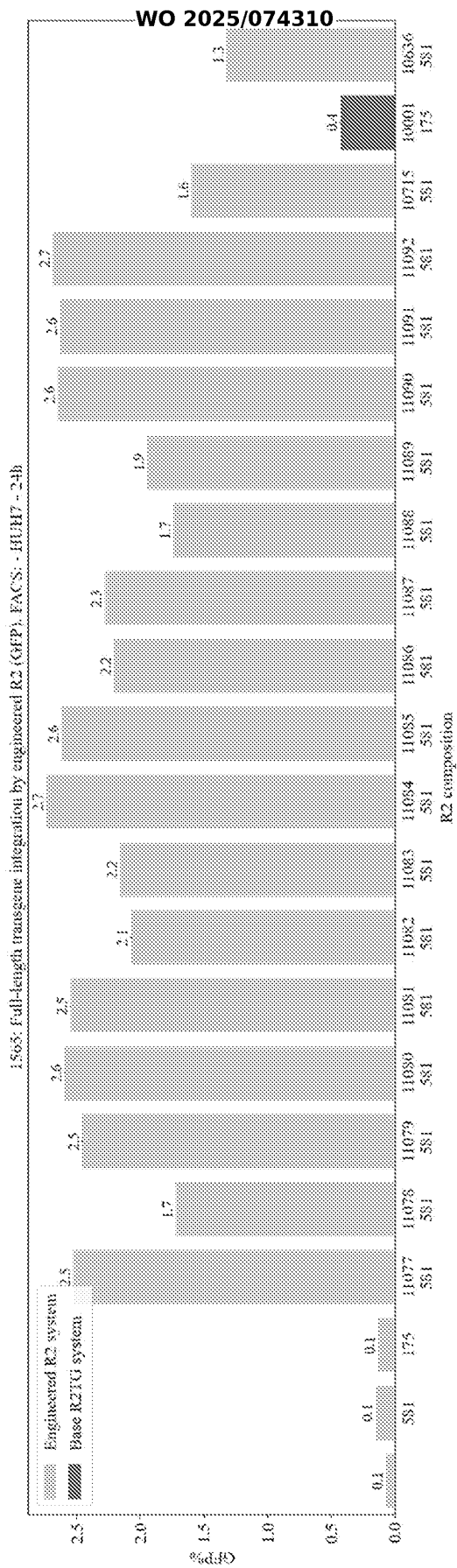
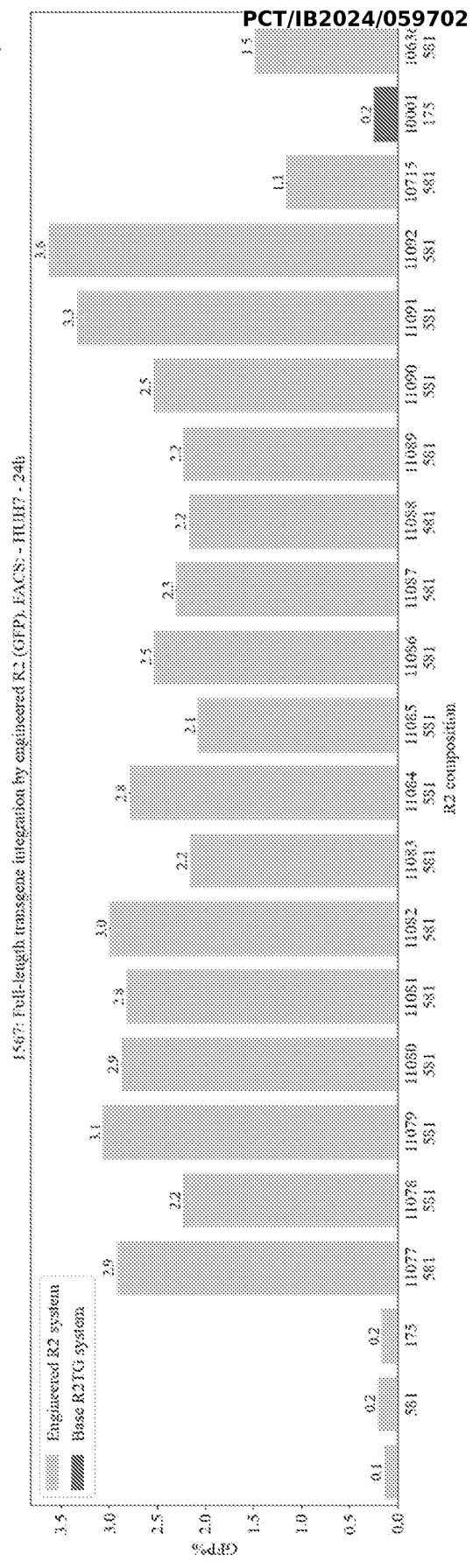


FIG. 45A



1522: Full-length transgene integration by engineered R2 (GFP). EACS: - HUH7 - 24h

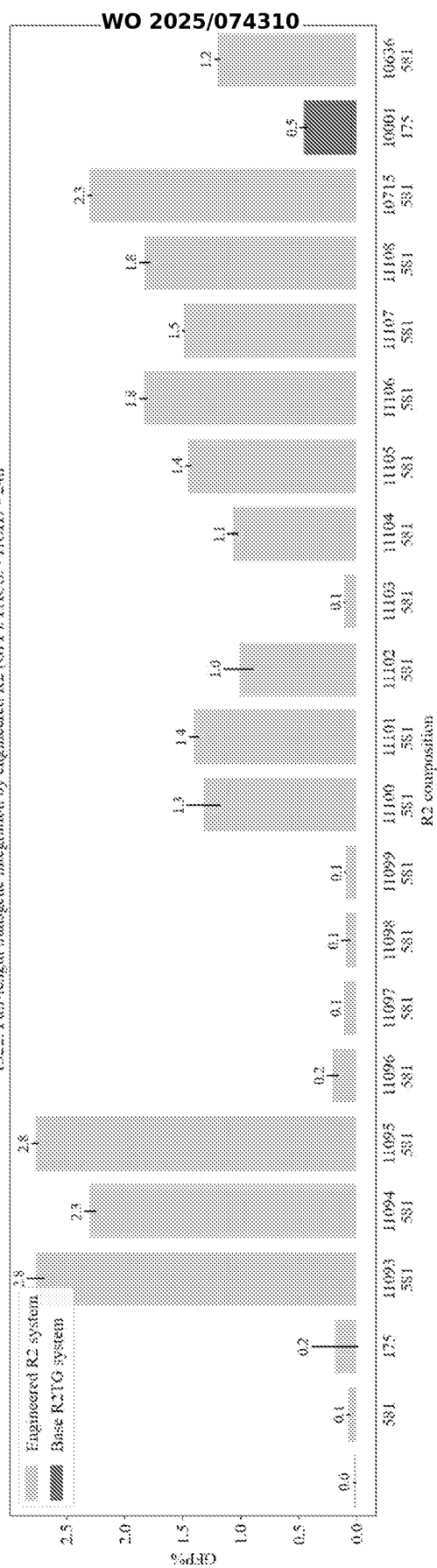


FIG. 46A

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1576: Full-length transgene integration by engineered R2 (GFP). EACS: - HUH7 - 24h

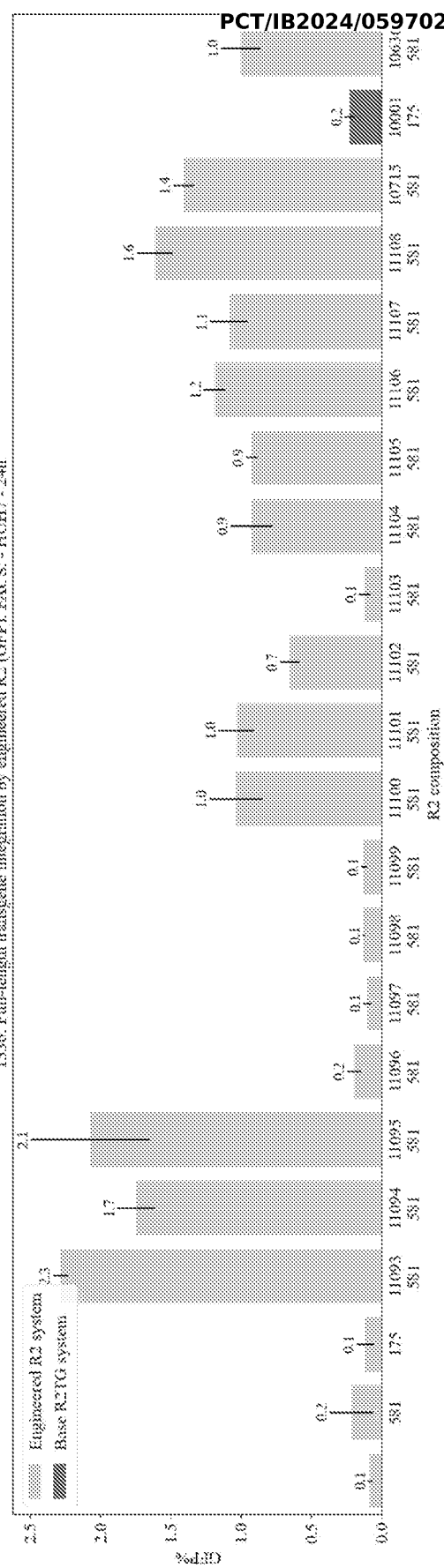


FIG. 46B

PCT/IB2024/059702

1539: Full-length transgene integration by engineered R2 (GFP) FACS - HUH7 - 24a

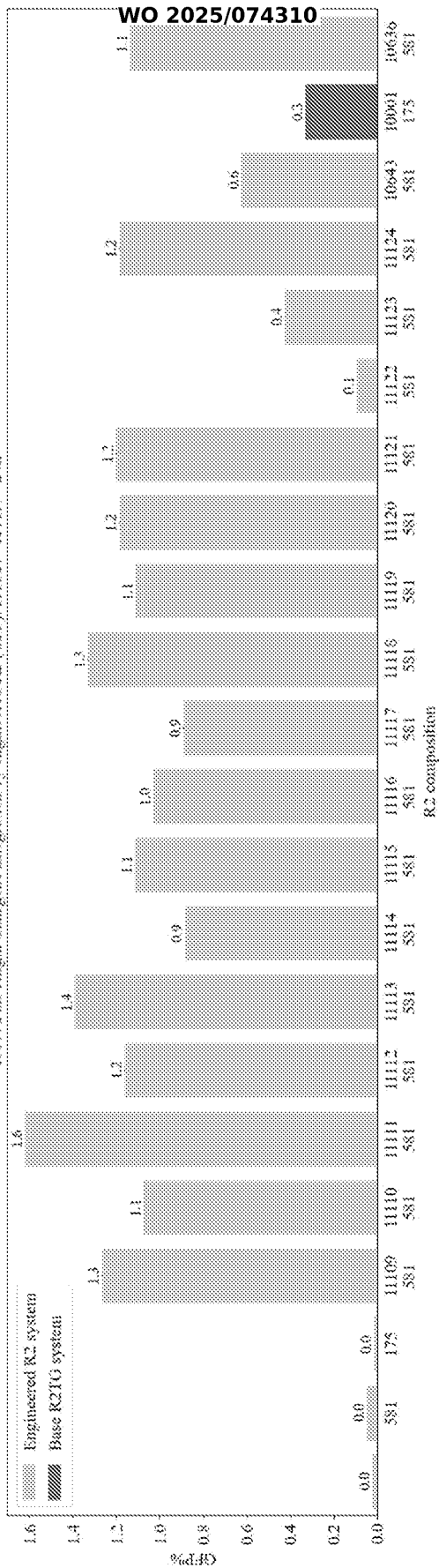


FIG. 47A

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1544: Full-length transgene integration by engineered R2 (GFP) FACS - HUH7 - 24a

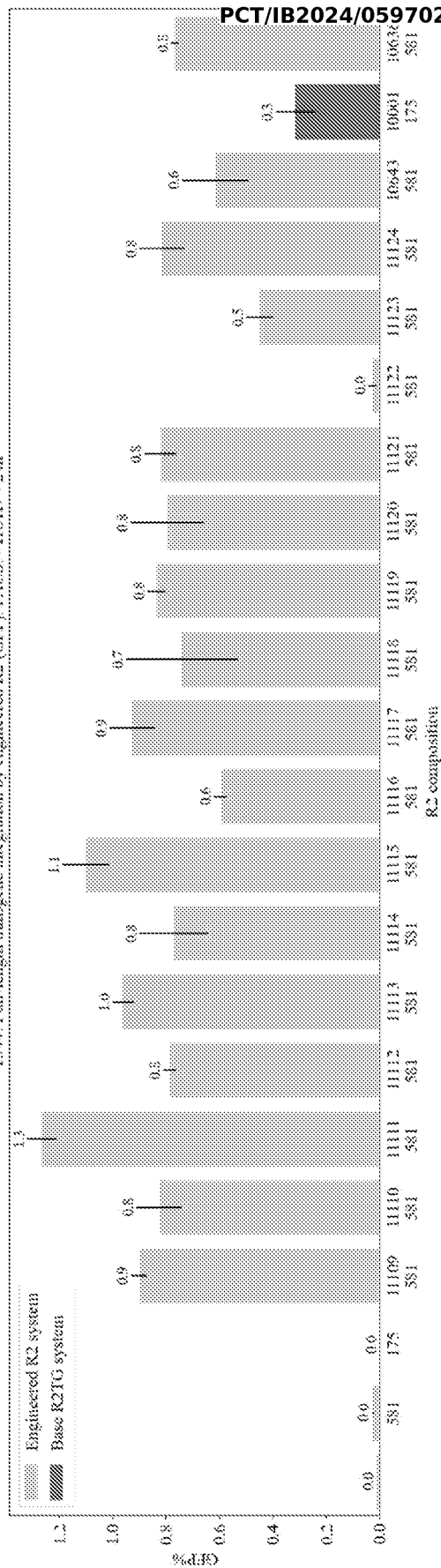


FIG. 47B

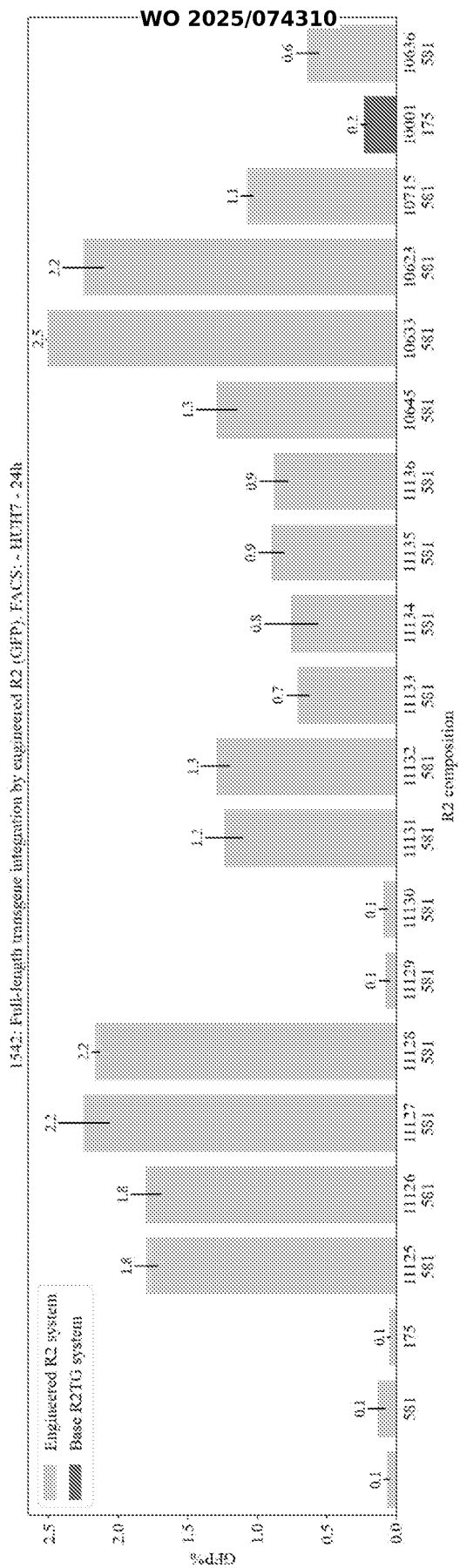


FIG. 48A

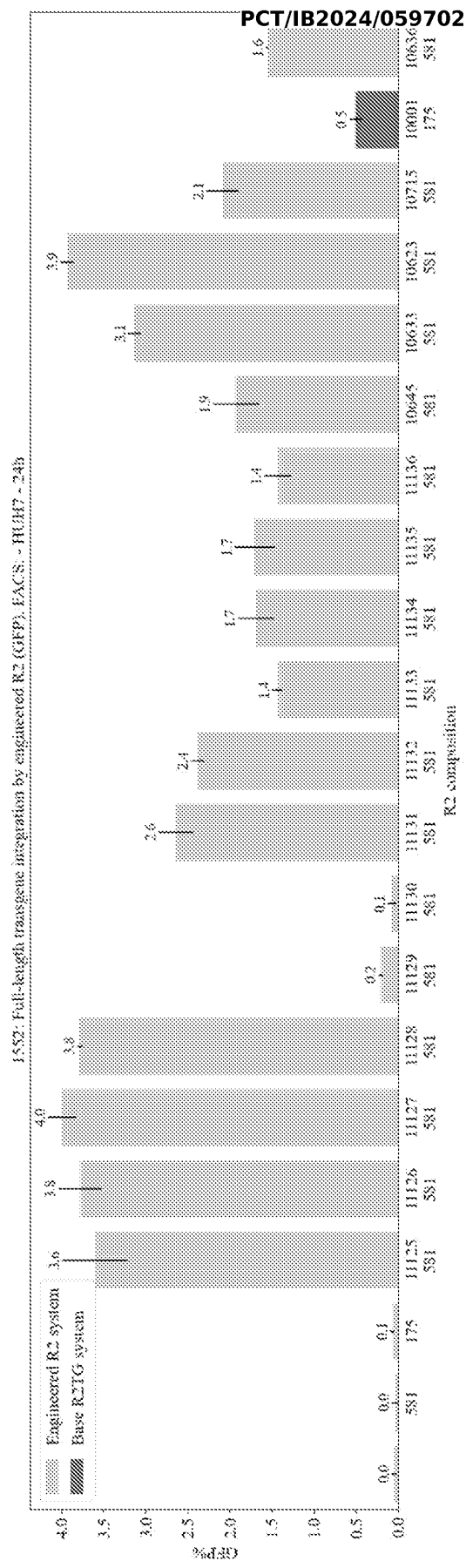


FIG. 48B

1311: Full-length transgene integration by engineered R2 (GFP). EACS: - HUH7 - Several timepoints

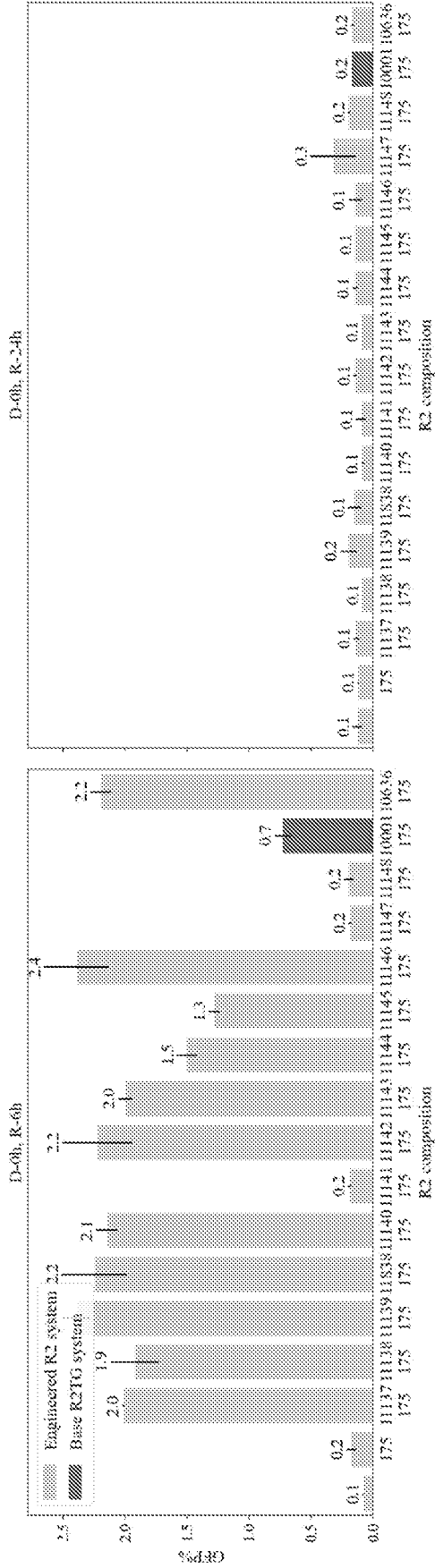


FIG. 49A

1303: Full-length transgene integration by engineered R2 (GFP). EACS: - HUH7 - Several timepoints

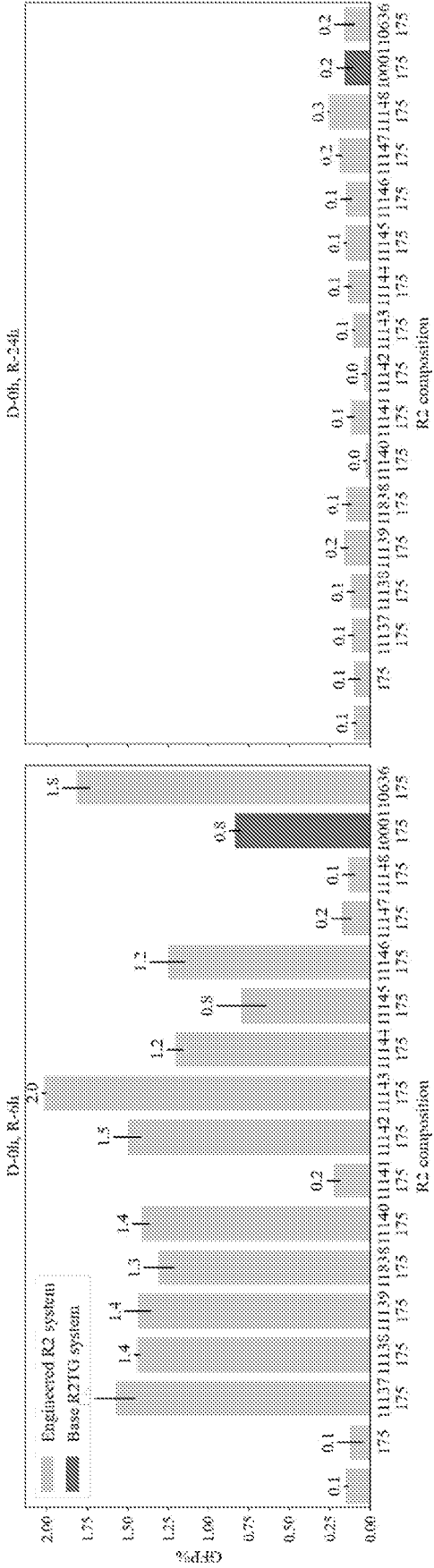


FIG. 49B

1305: Full-length transgene integration by engineered R2 (GFP). FACS: - HUH7 - Several timepoints

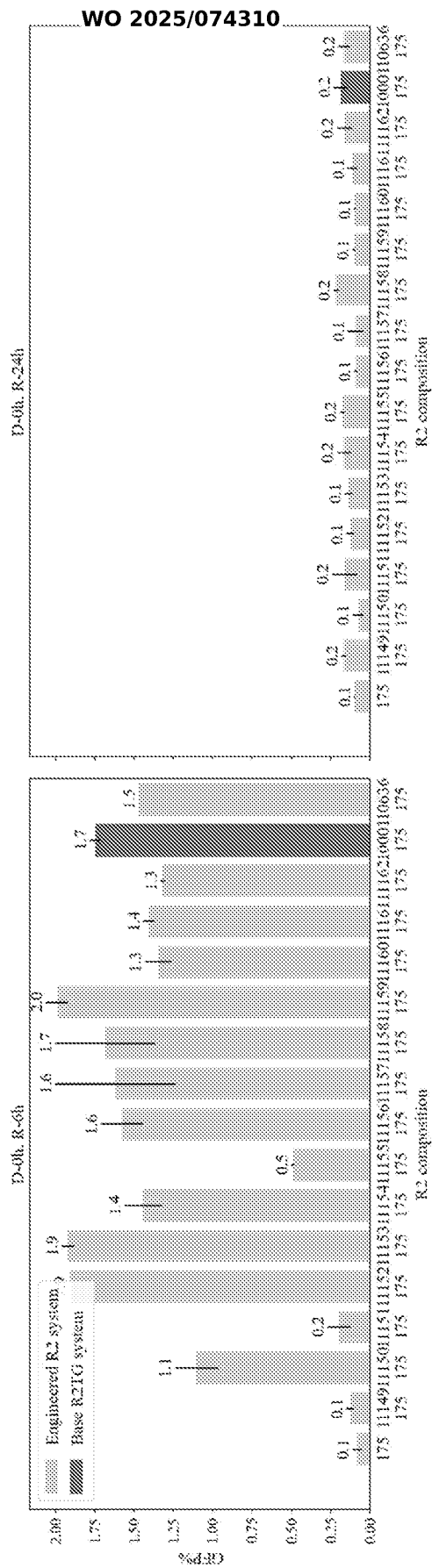


FIG. 50A

1306: Full-length transgene integration by engineered R2 (GFP). FACS: - HUH7 - Several timepoints

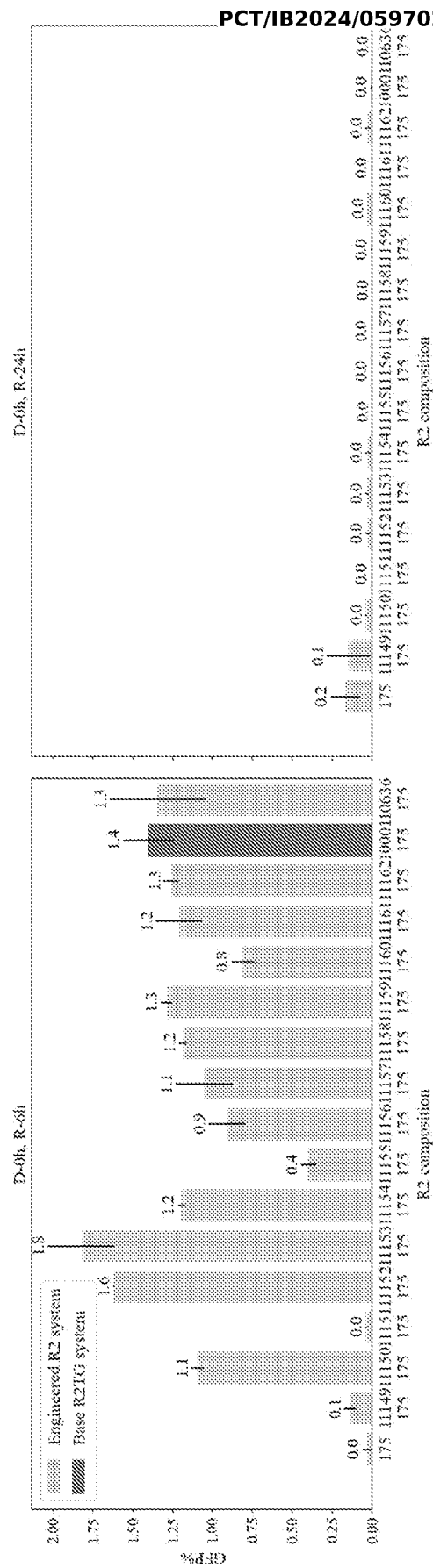


FIG. 50B

1417: Full-length transgene integration by engineered R2 (GFP). EACS - HUH7 - Several timepoints

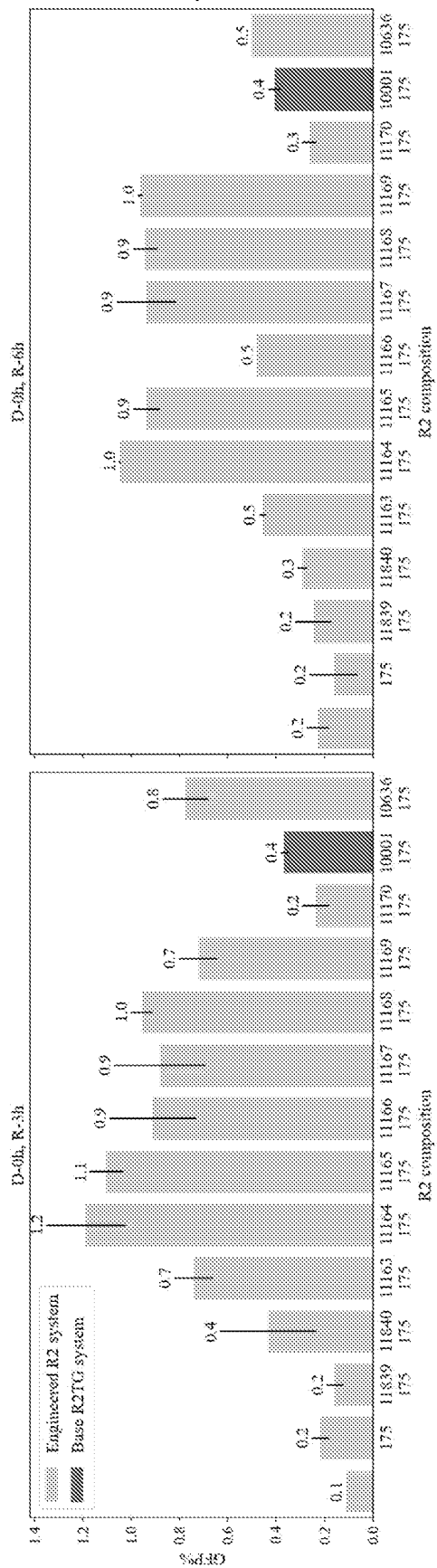


FIG. 51A

1418: Full-length transgene integration by engineered R2 (GFP). EACS - HUH7 - Several timepoints

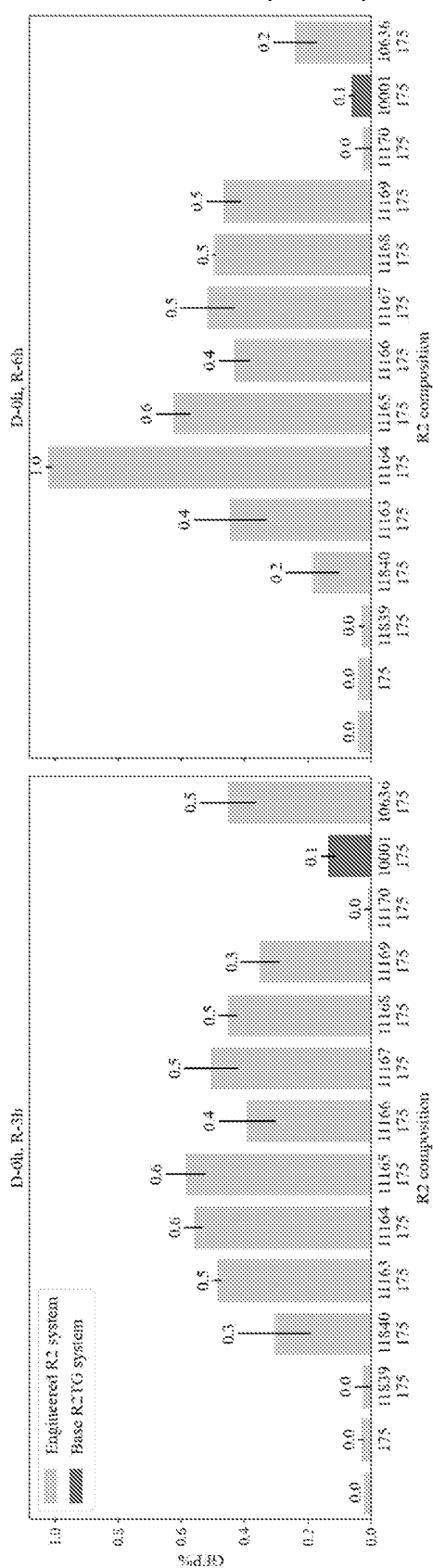


FIG. 51B

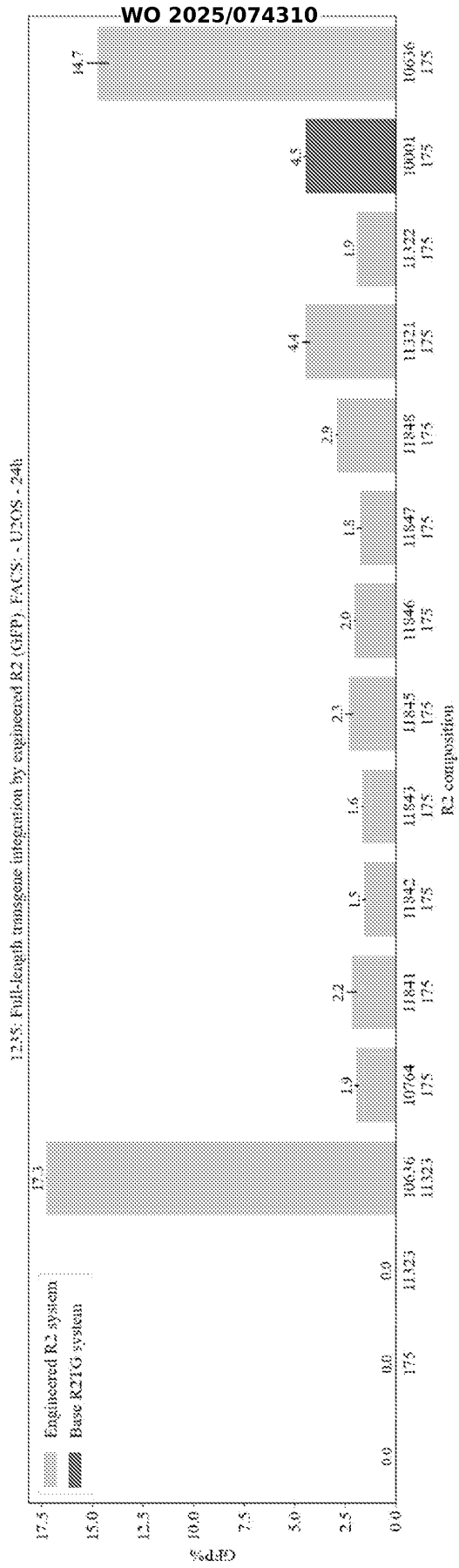


FIG. 52A

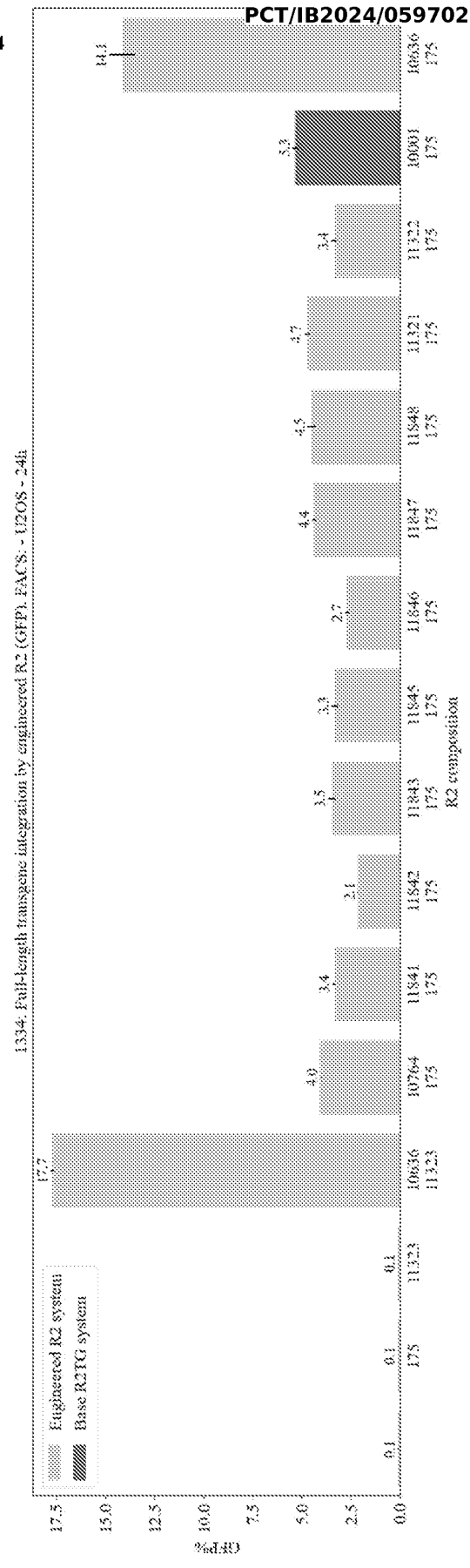


FIG. 52B

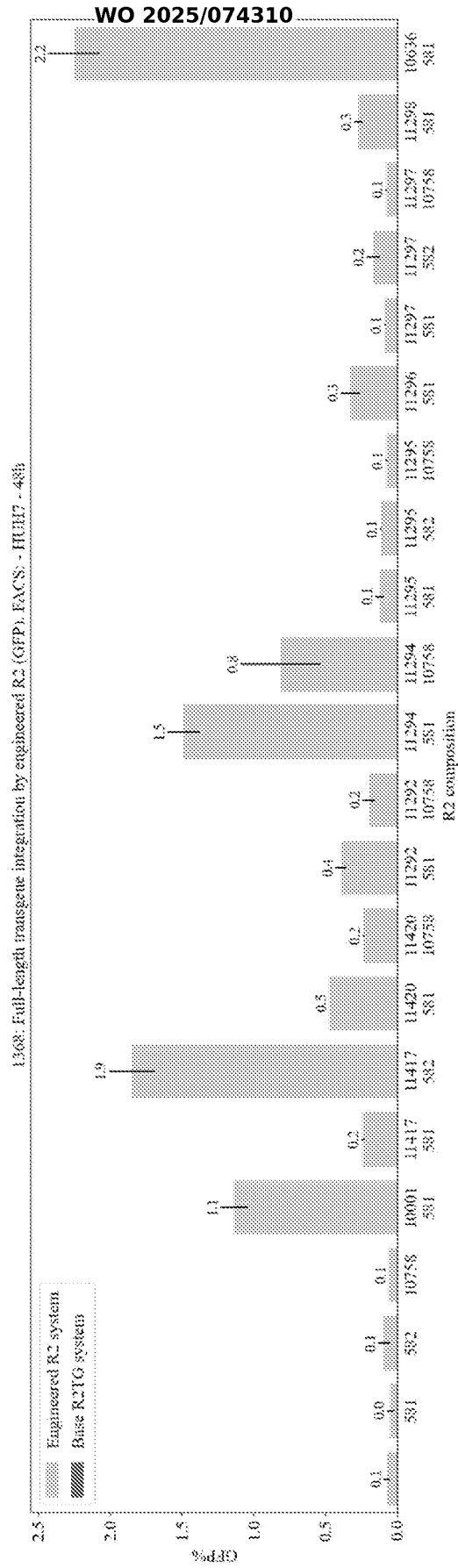


FIG. 53A

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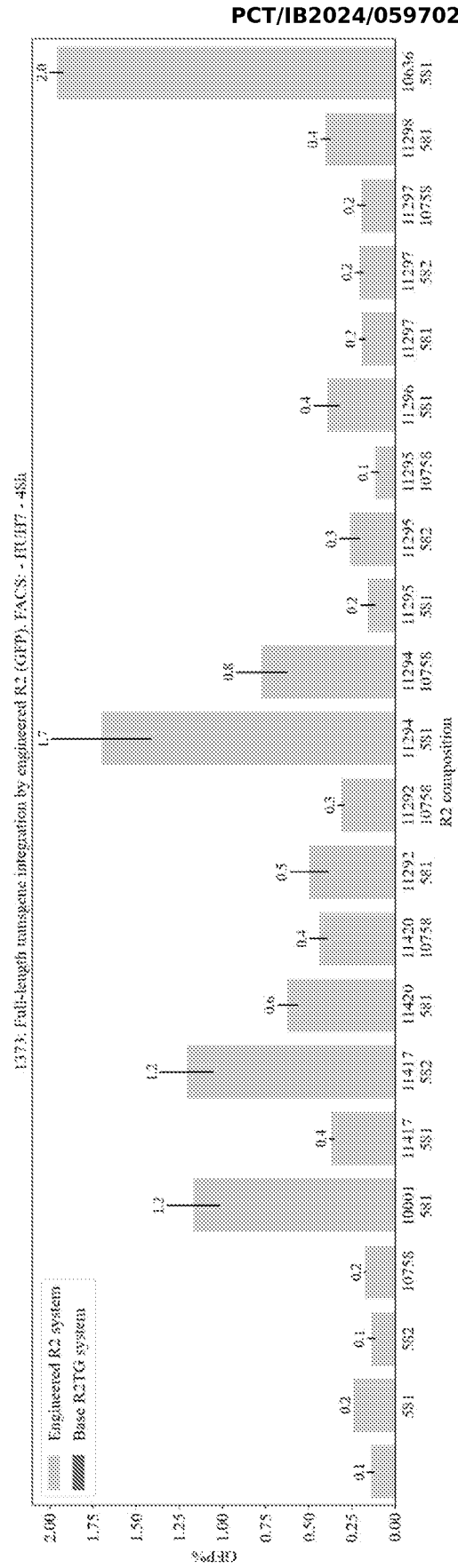


FIG. 53B

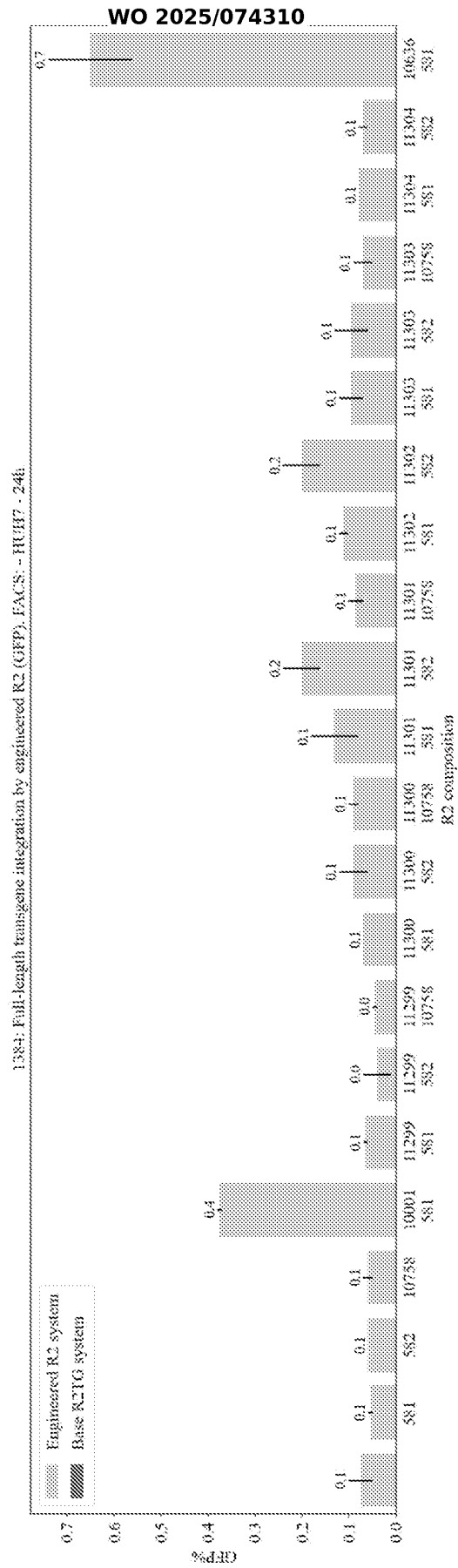


FIG. 54A

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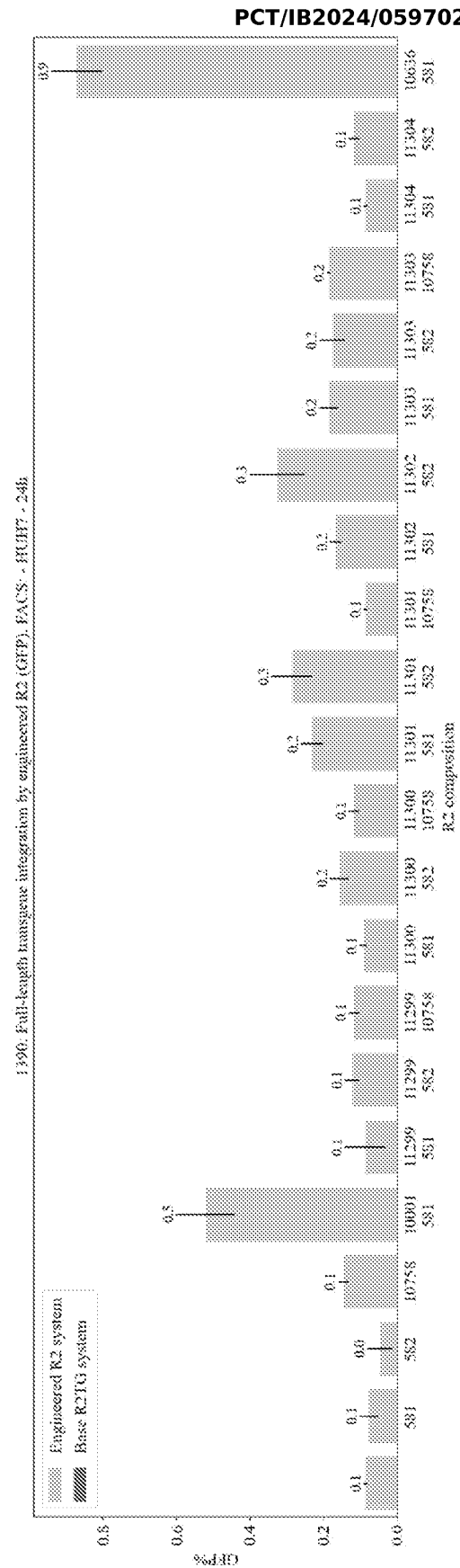


FIG. 54B

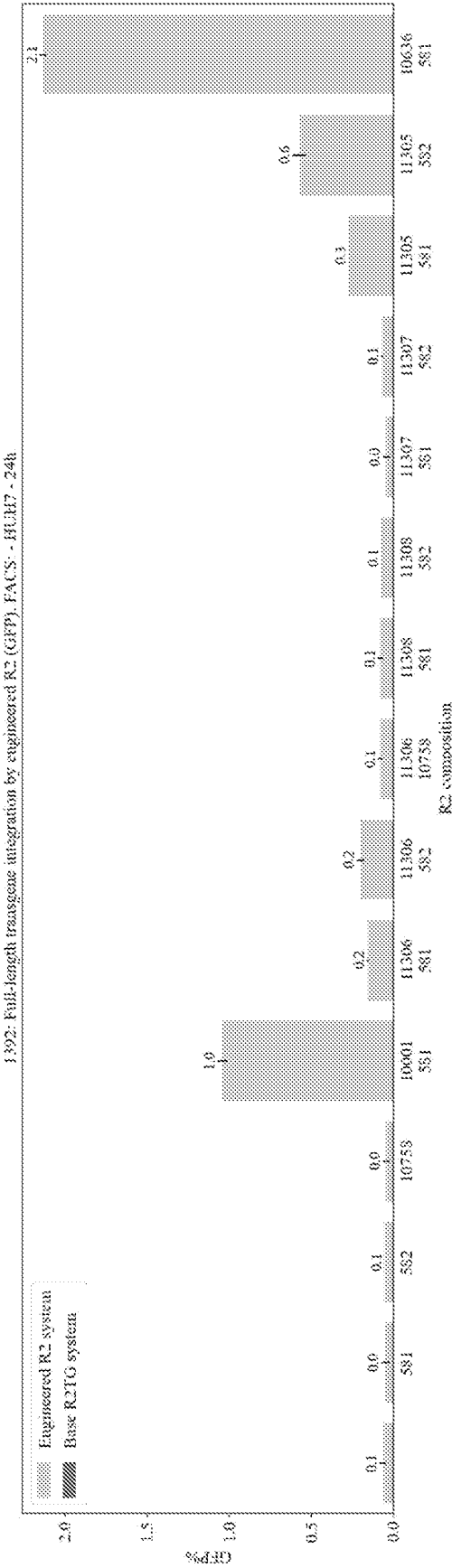


FIG. 55

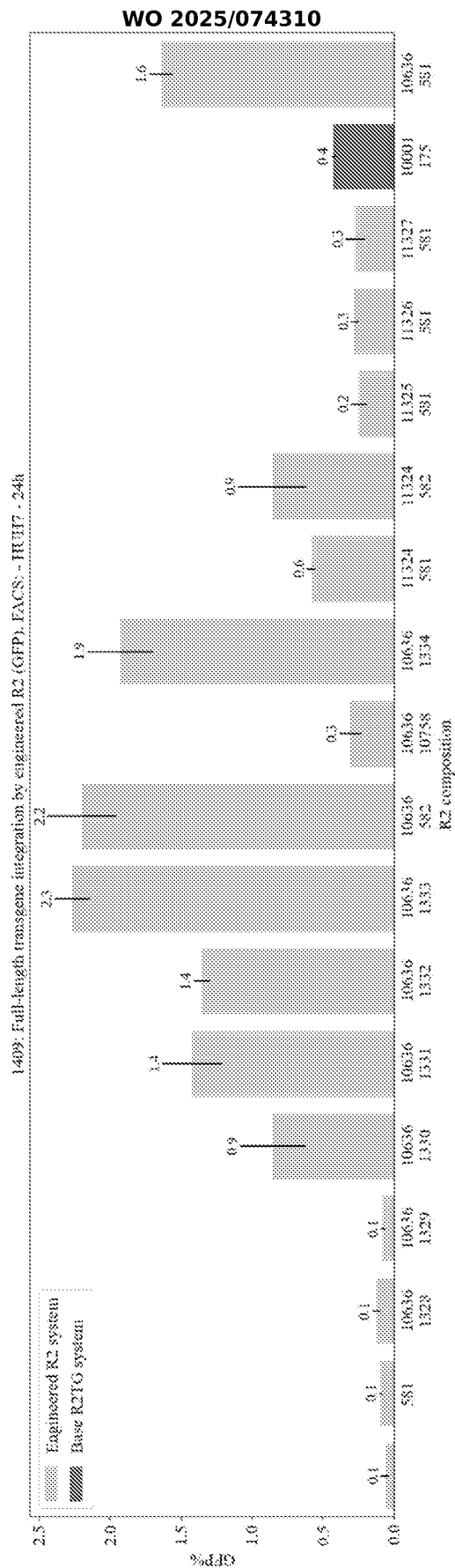


FIG. 56A

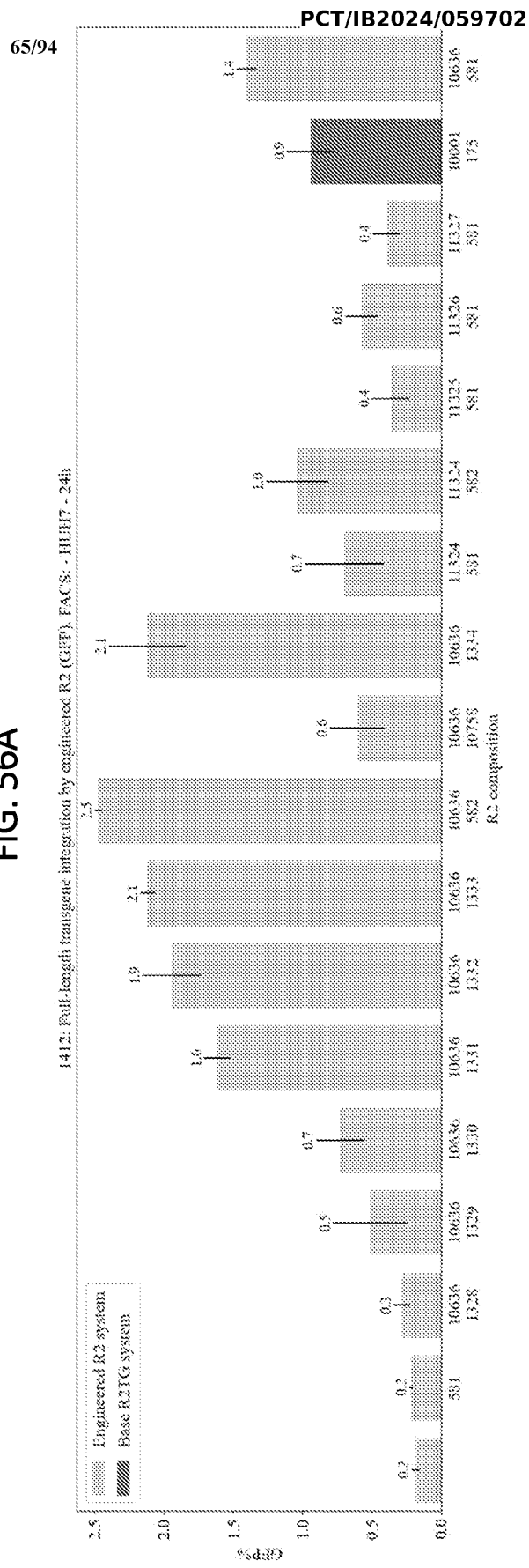


FIG. 56B

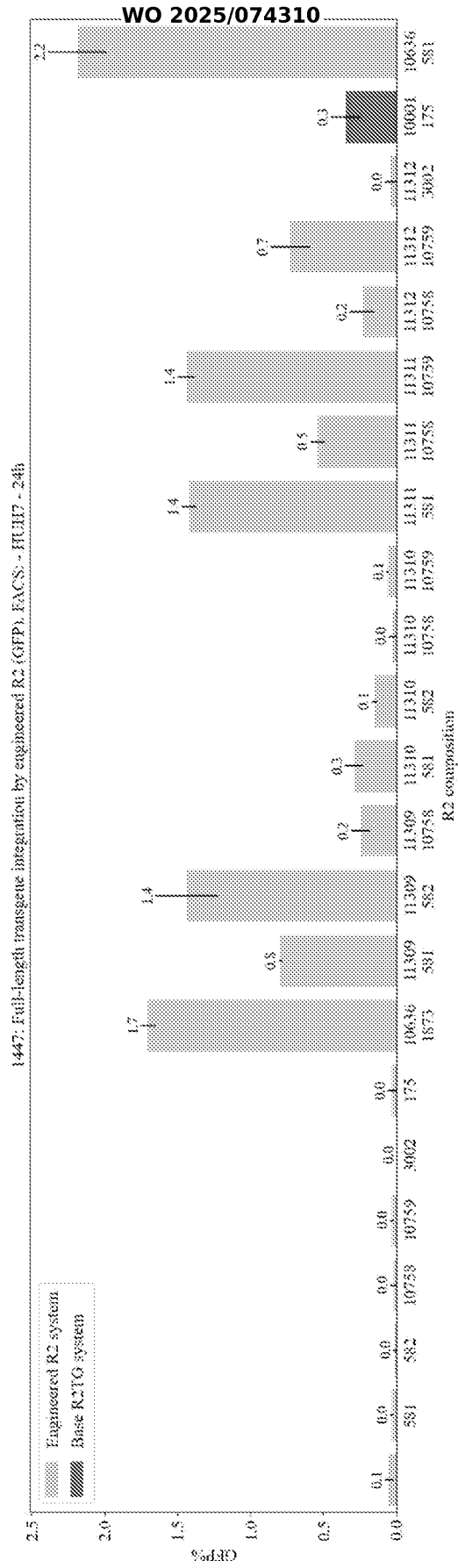


FIG. 57A

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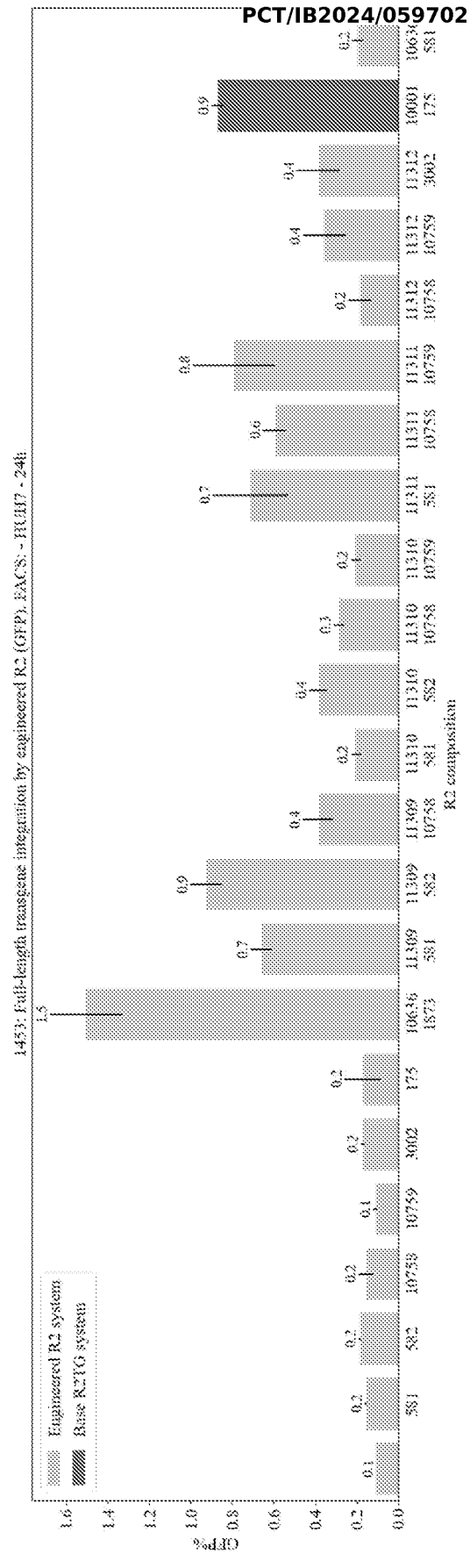


FIG. 57B

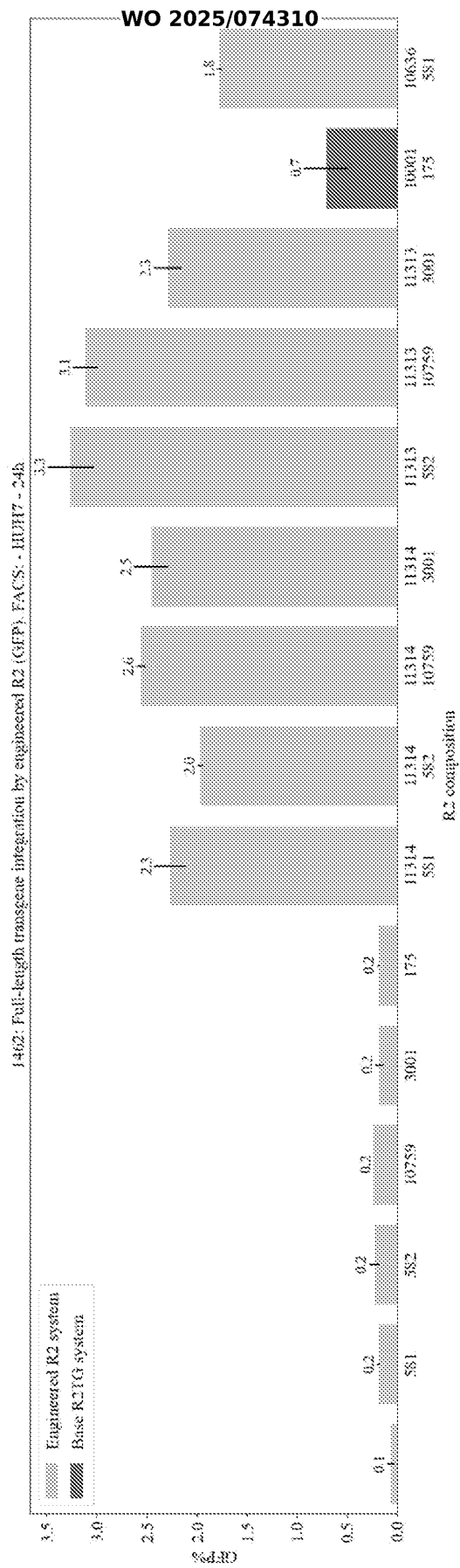


FIG. 58A

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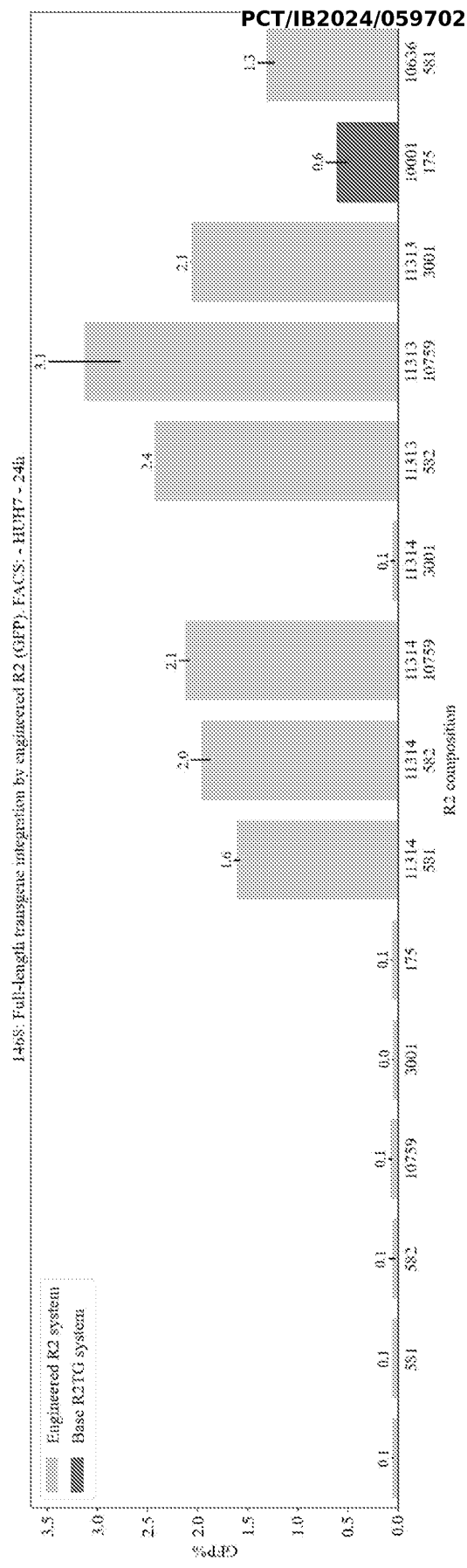


FIG. 58B

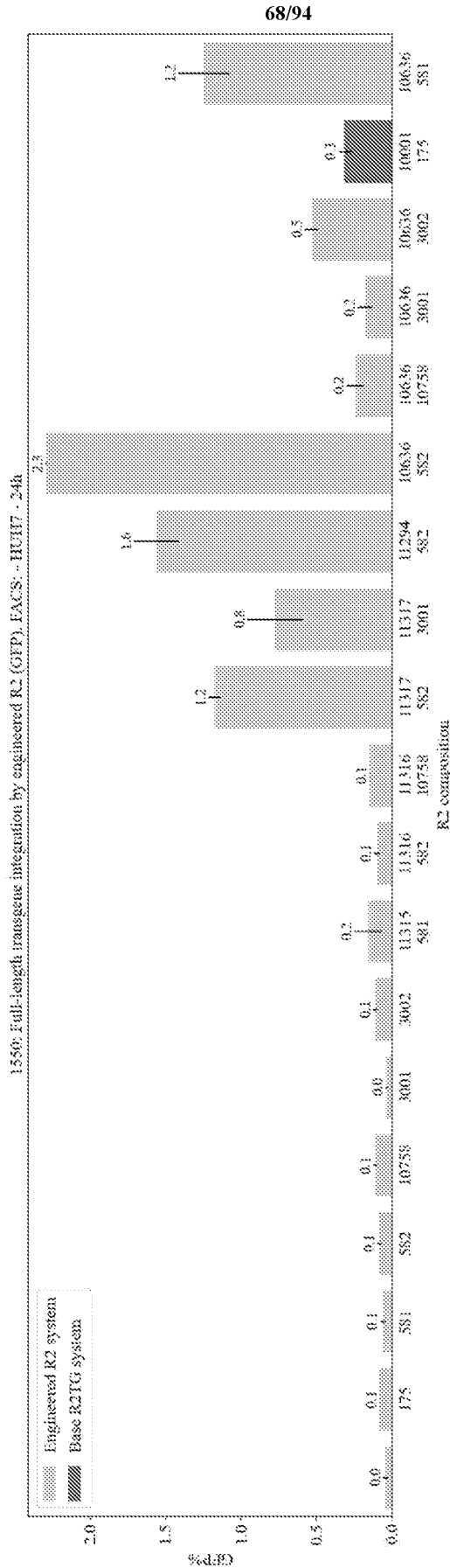


FIG. 59

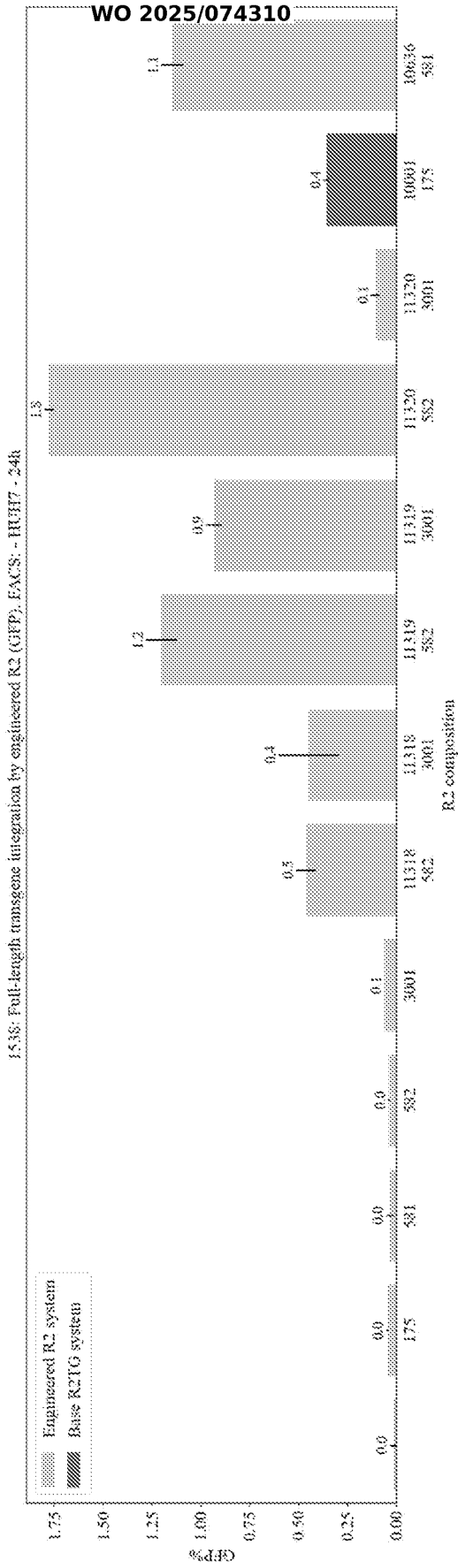


FIG. 60A

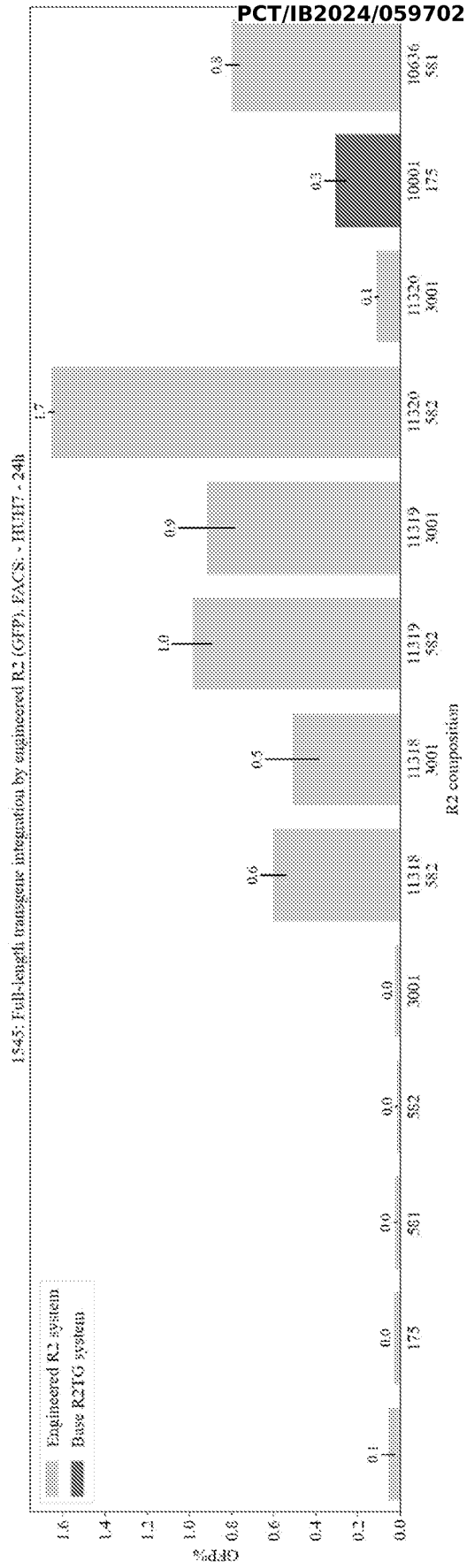


FIG. 60B

1543: Full-length transgene integration by engineered R2 (GFP). EACS: - HUH7 - 24h

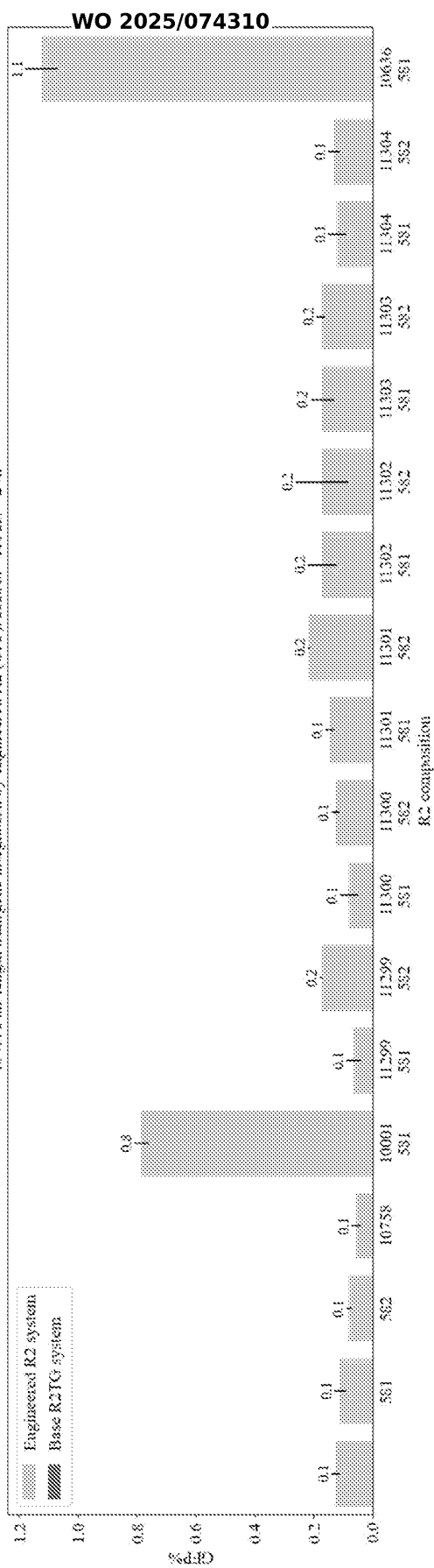


FIG. 61A

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1553: Full-length transgene integration by engineered R2 (GFP). EACS: - HUH7 - 24h

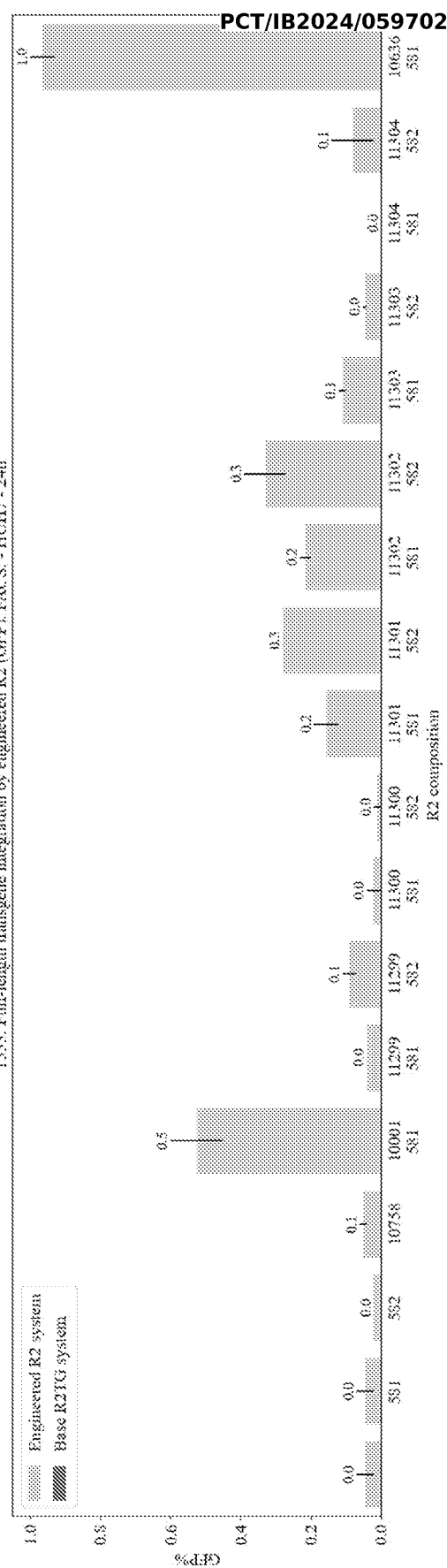


FIG. 61B

1058: Full-length transgene integration by engineered R2 (GFP), EACS, - U2OS - 248

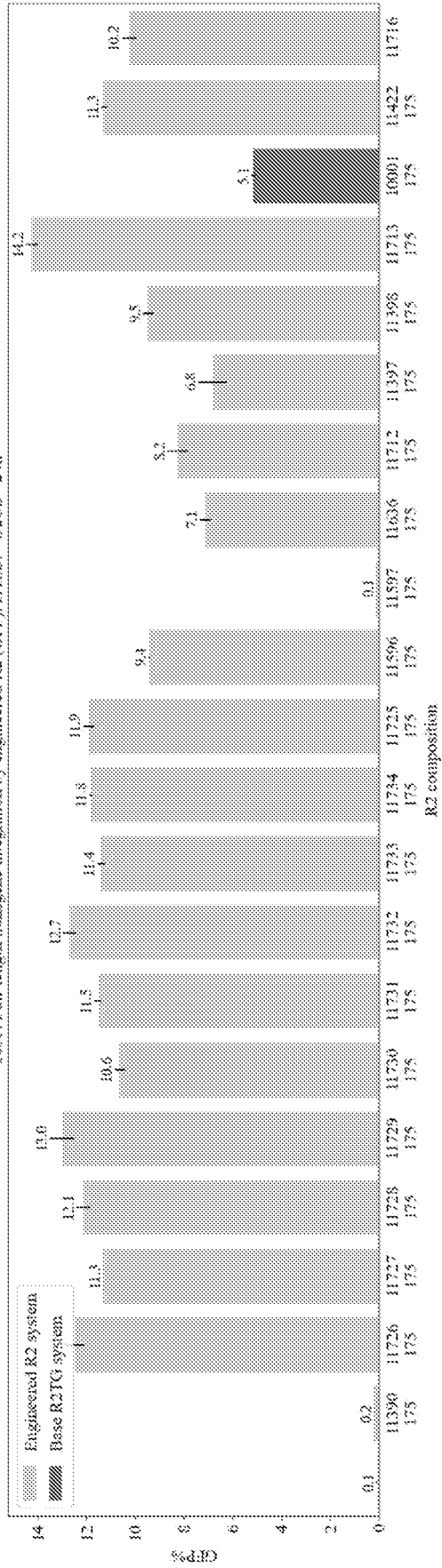
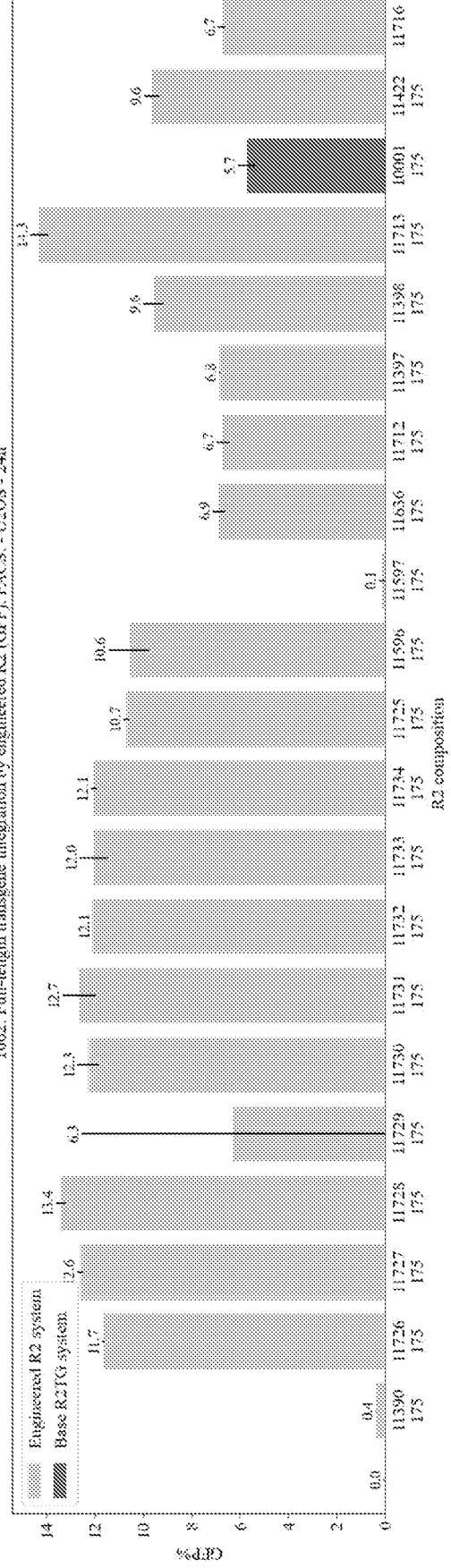


FIG. 62A

10c2: Full-length transgene integration by engineered R2 (GFP), FACS: - U2OS - 24h



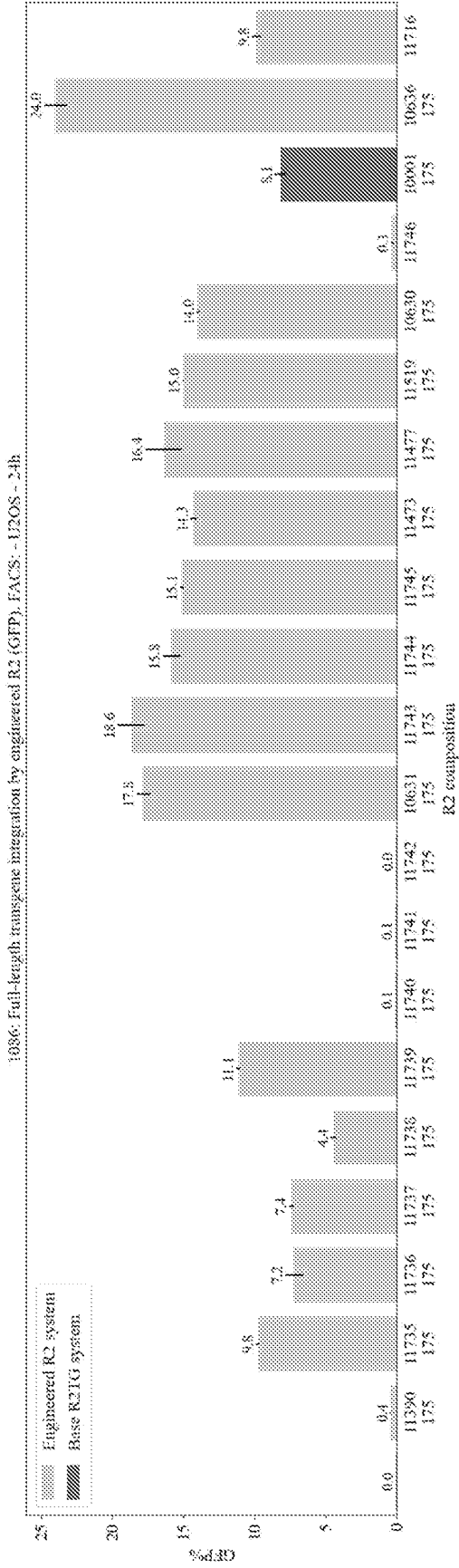


FIG. 63A

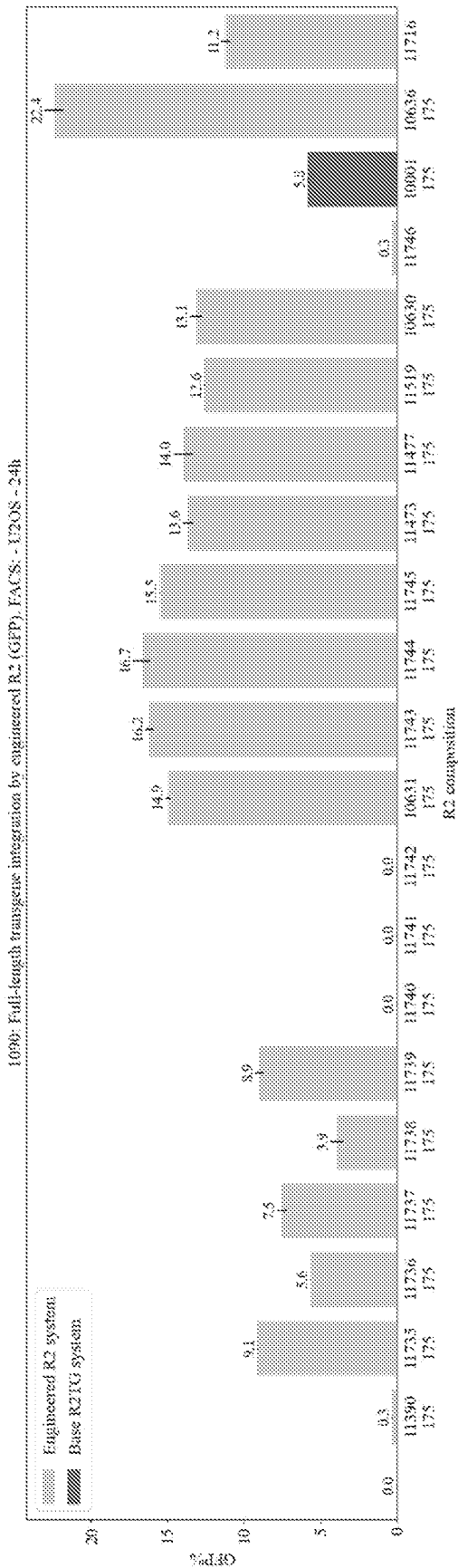


FIG. 63B

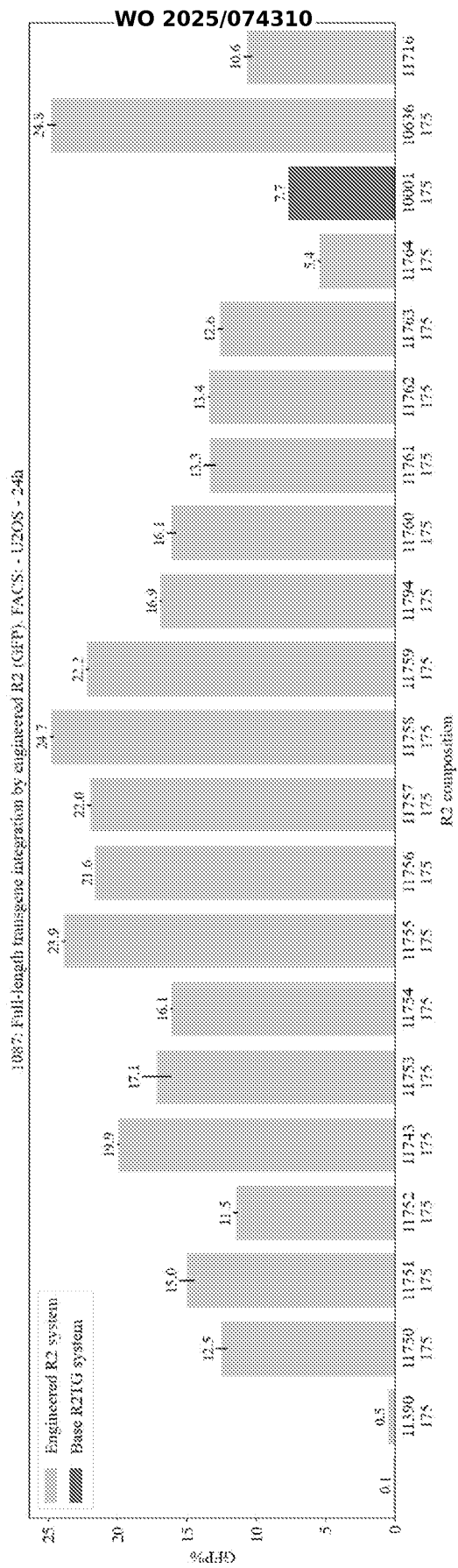


FIG. 64A

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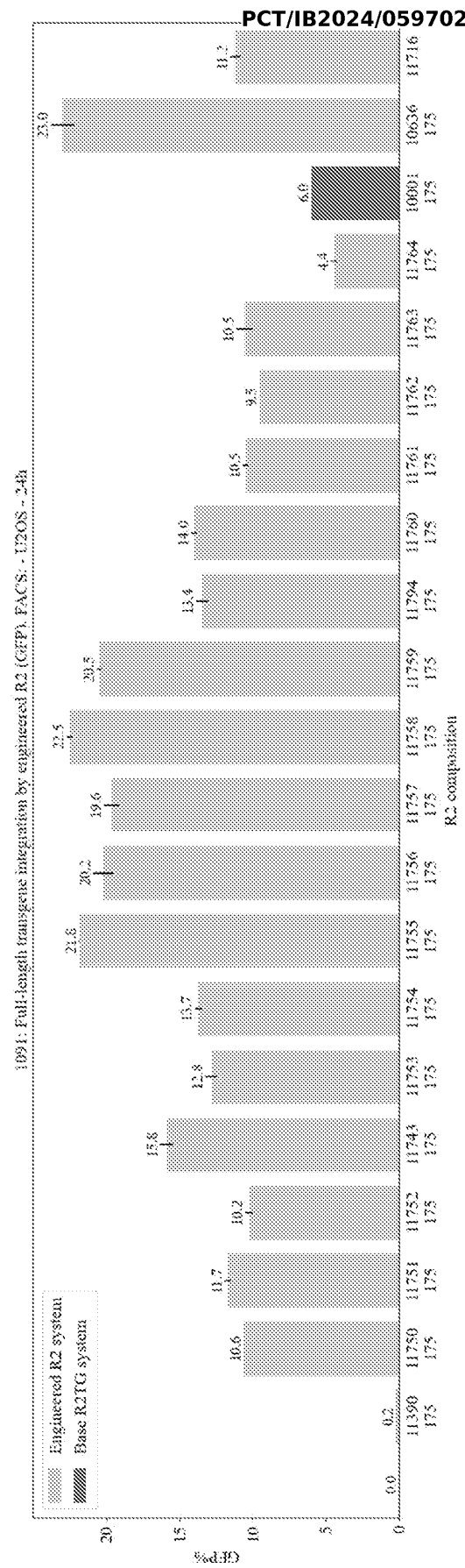


FIG. 64B

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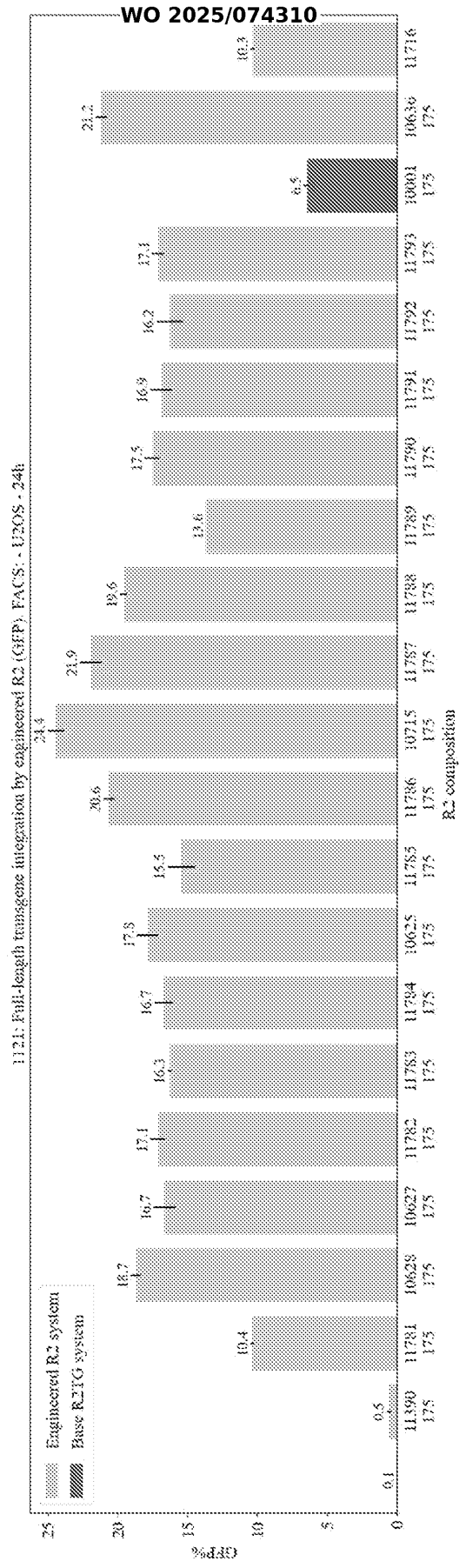


FIG. 65A

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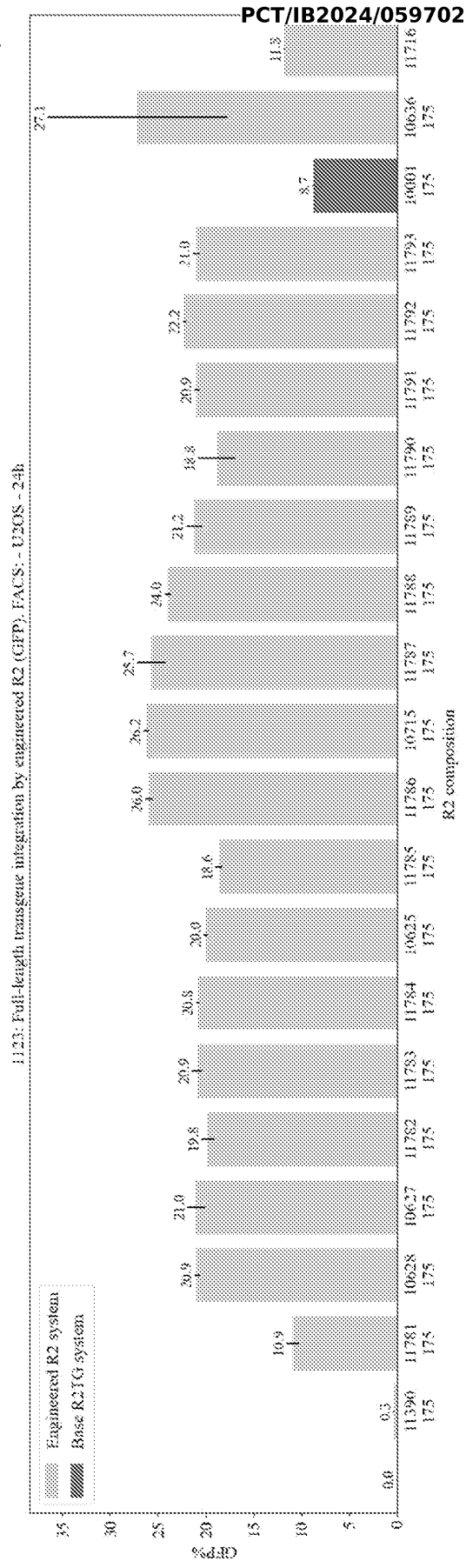


FIG. 65B

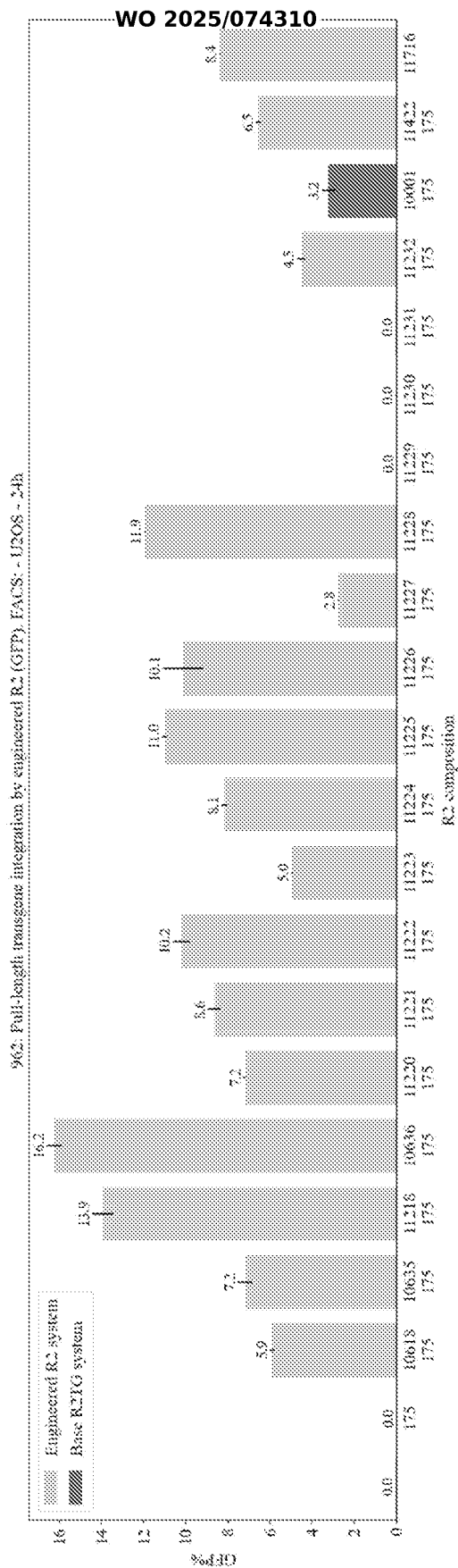


FIG. 66A

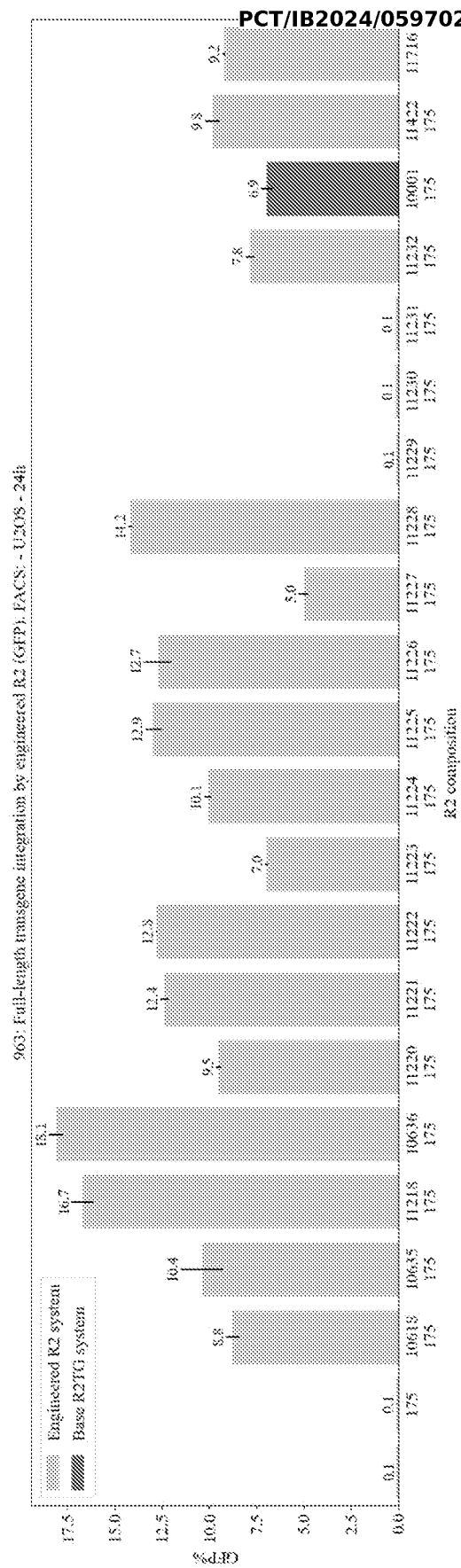


FIG. 66B

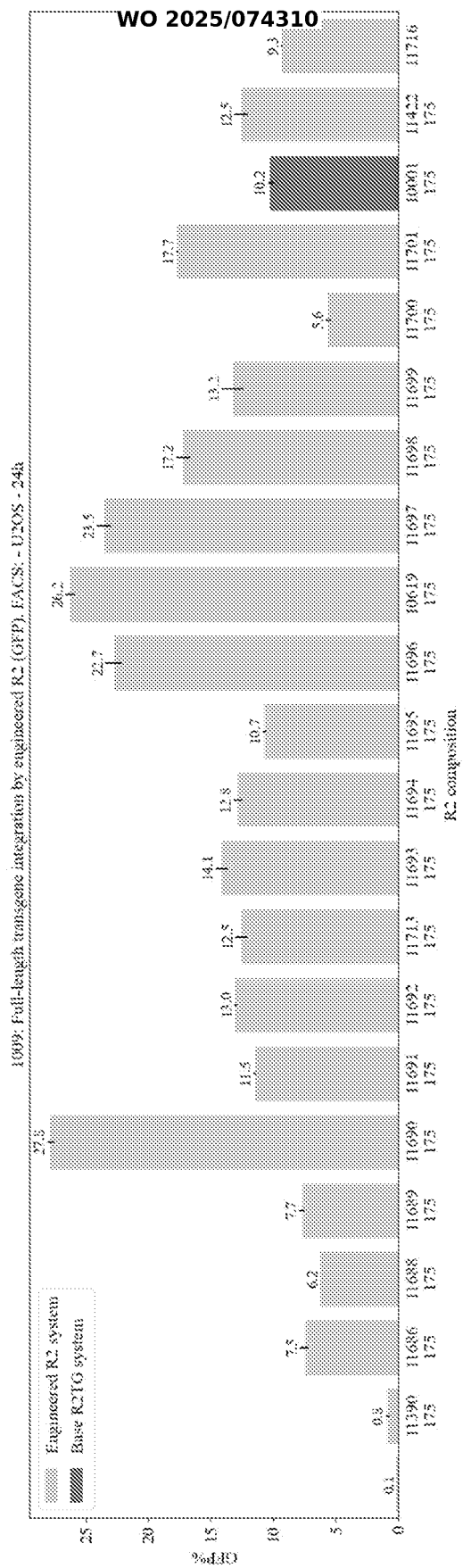
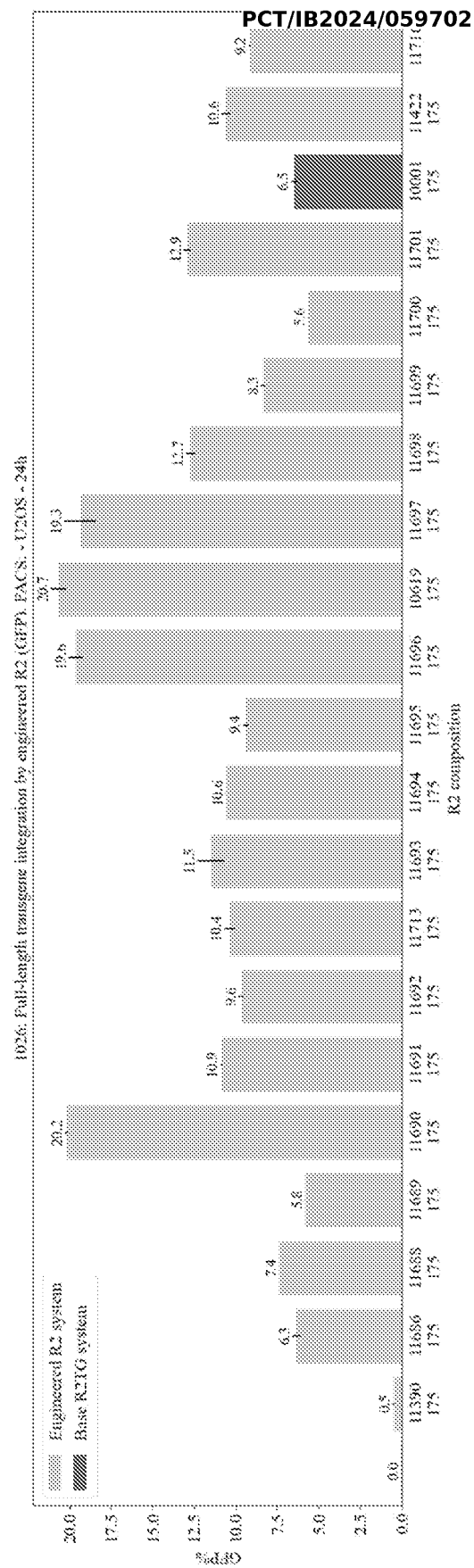


FIG. 67A



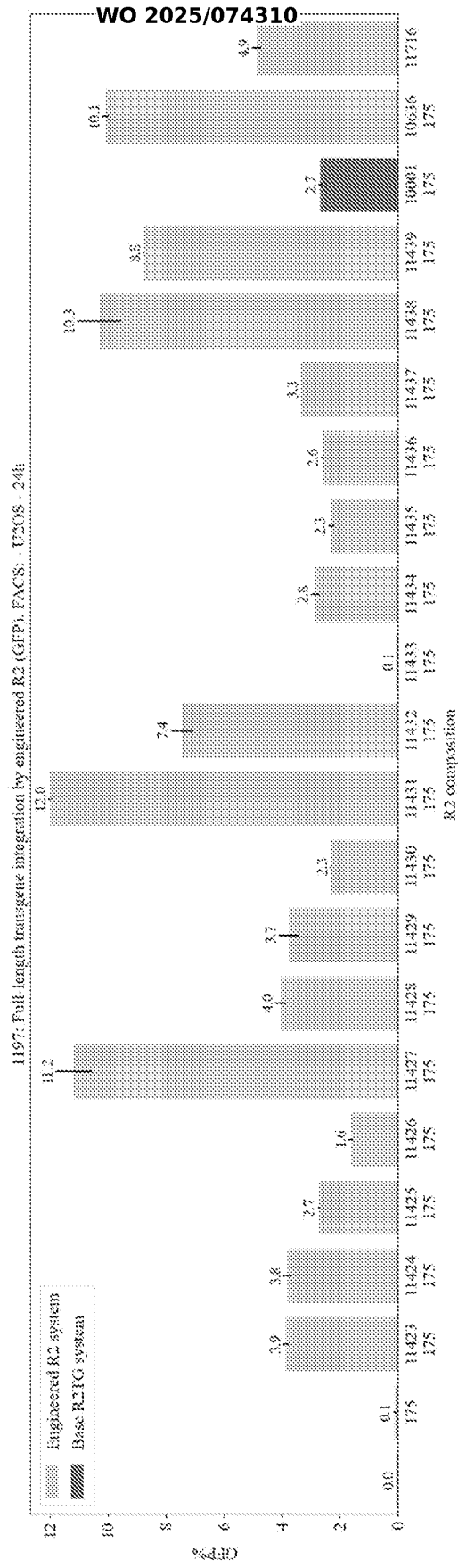


FIG. 68A

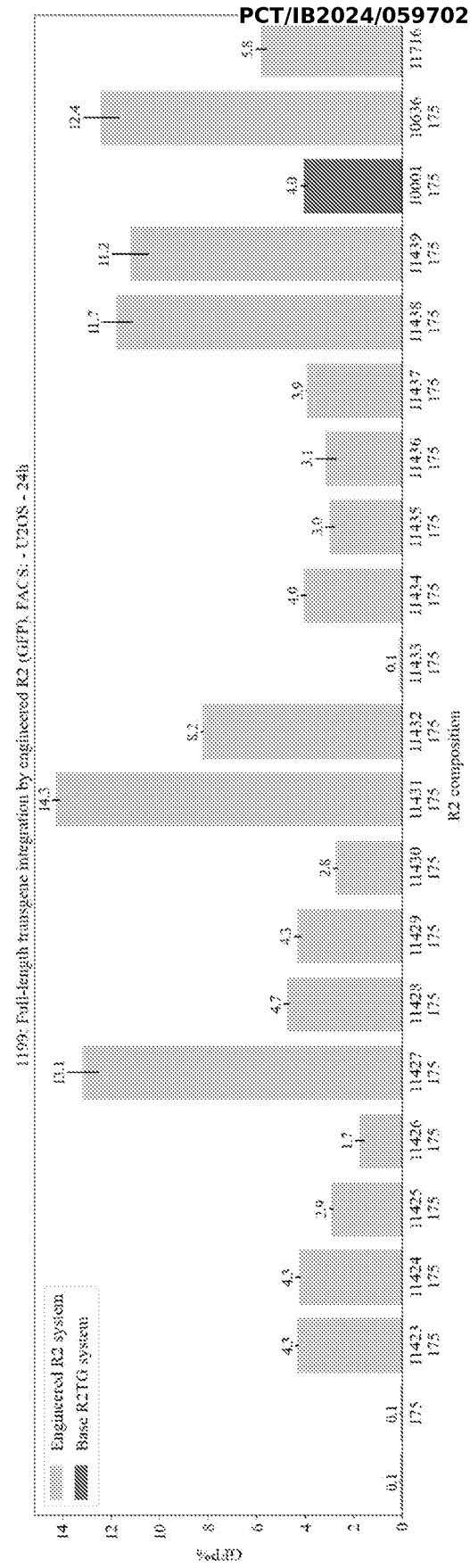


FIG. 68B

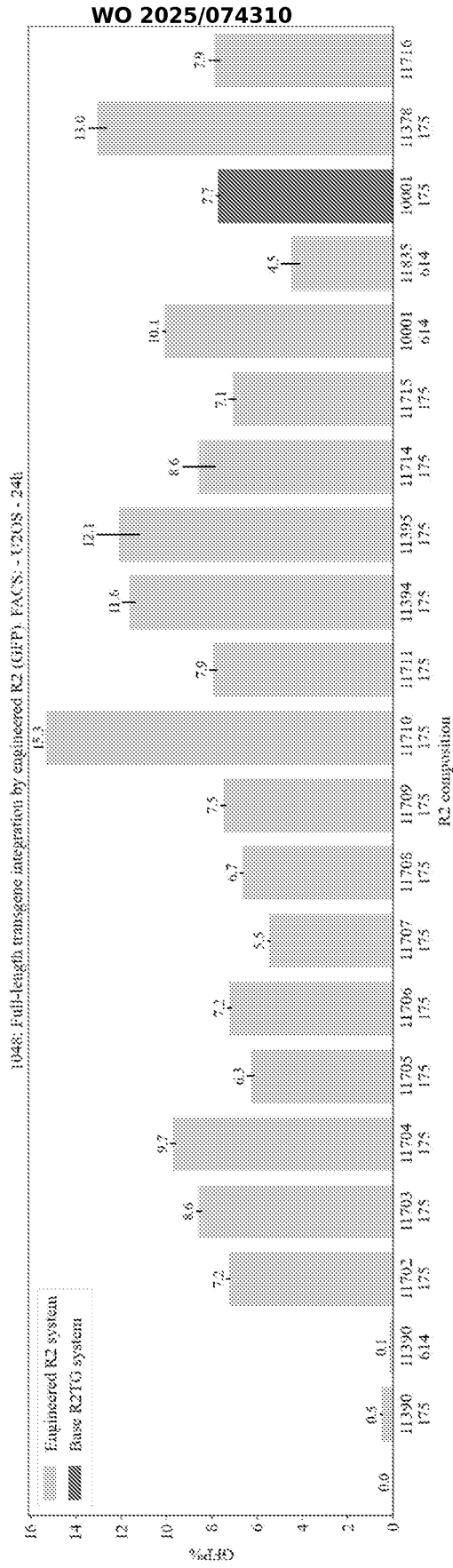


FIG. 69A

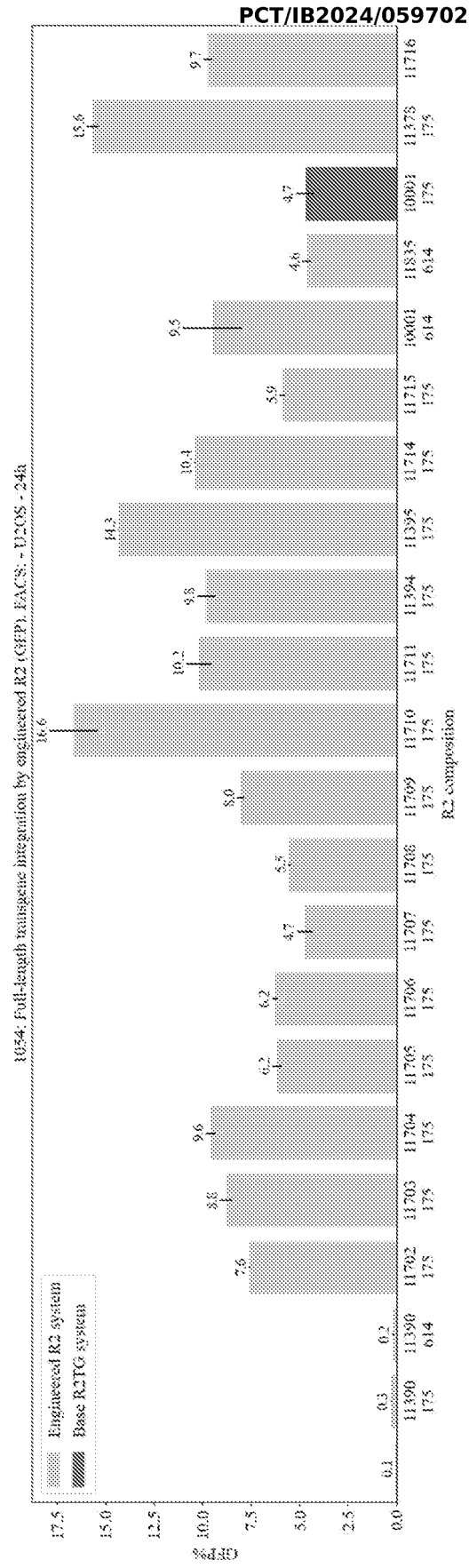


FIG. 69B

1126: Full-length transgene integration by engineered R2 (GFP), FACS: - U2OS - 24h

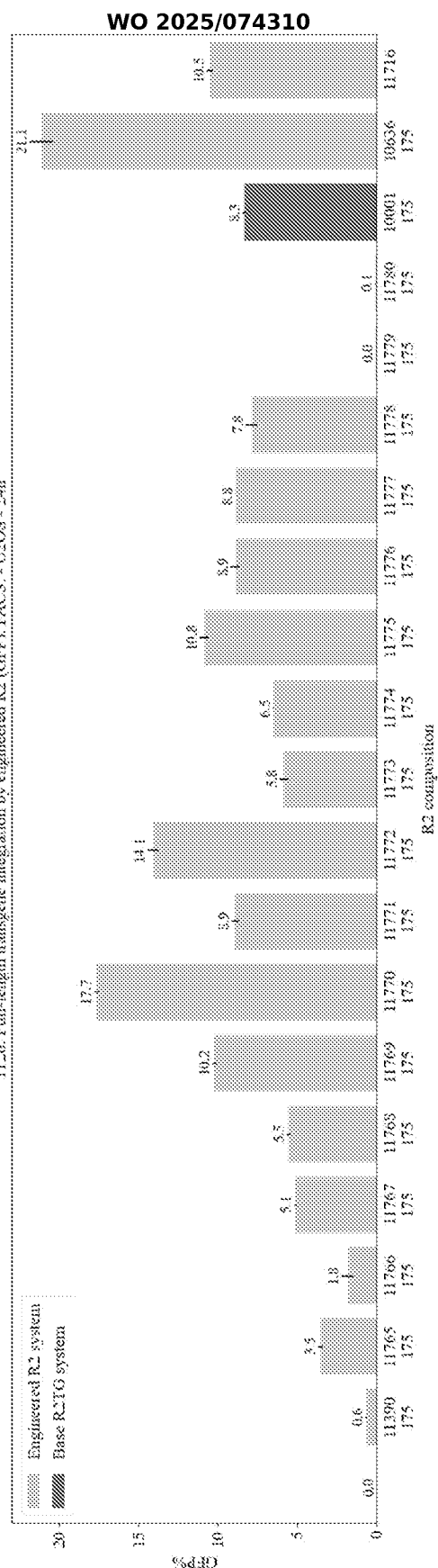


FIG. 70A

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1133: Full-length transgene integration by engineered R2 (GFP), FACS: - U2OS - 24h

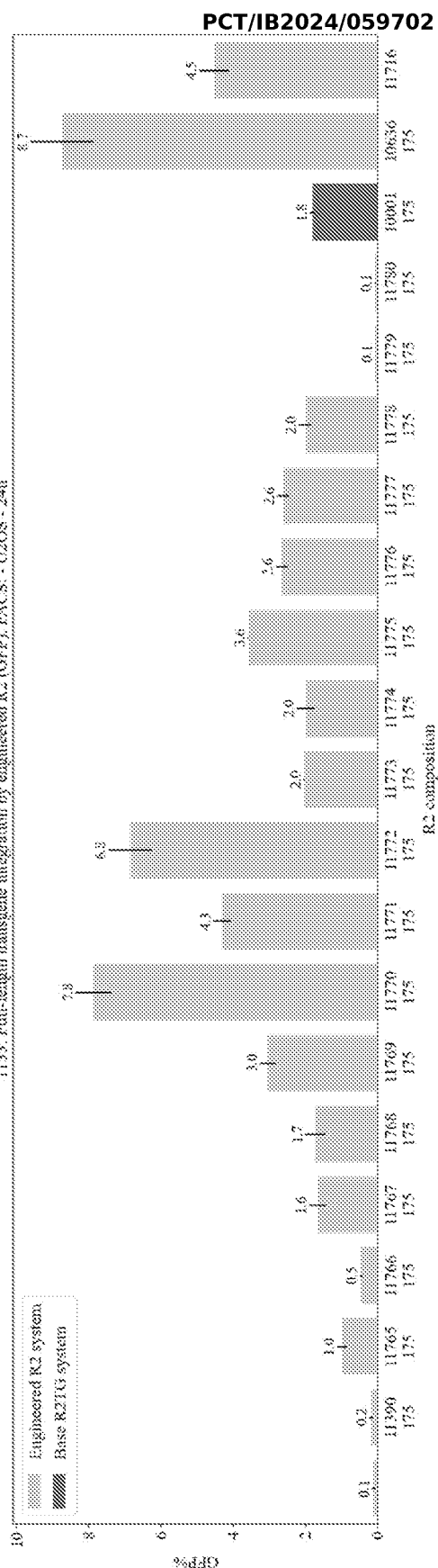


FIG. 70B

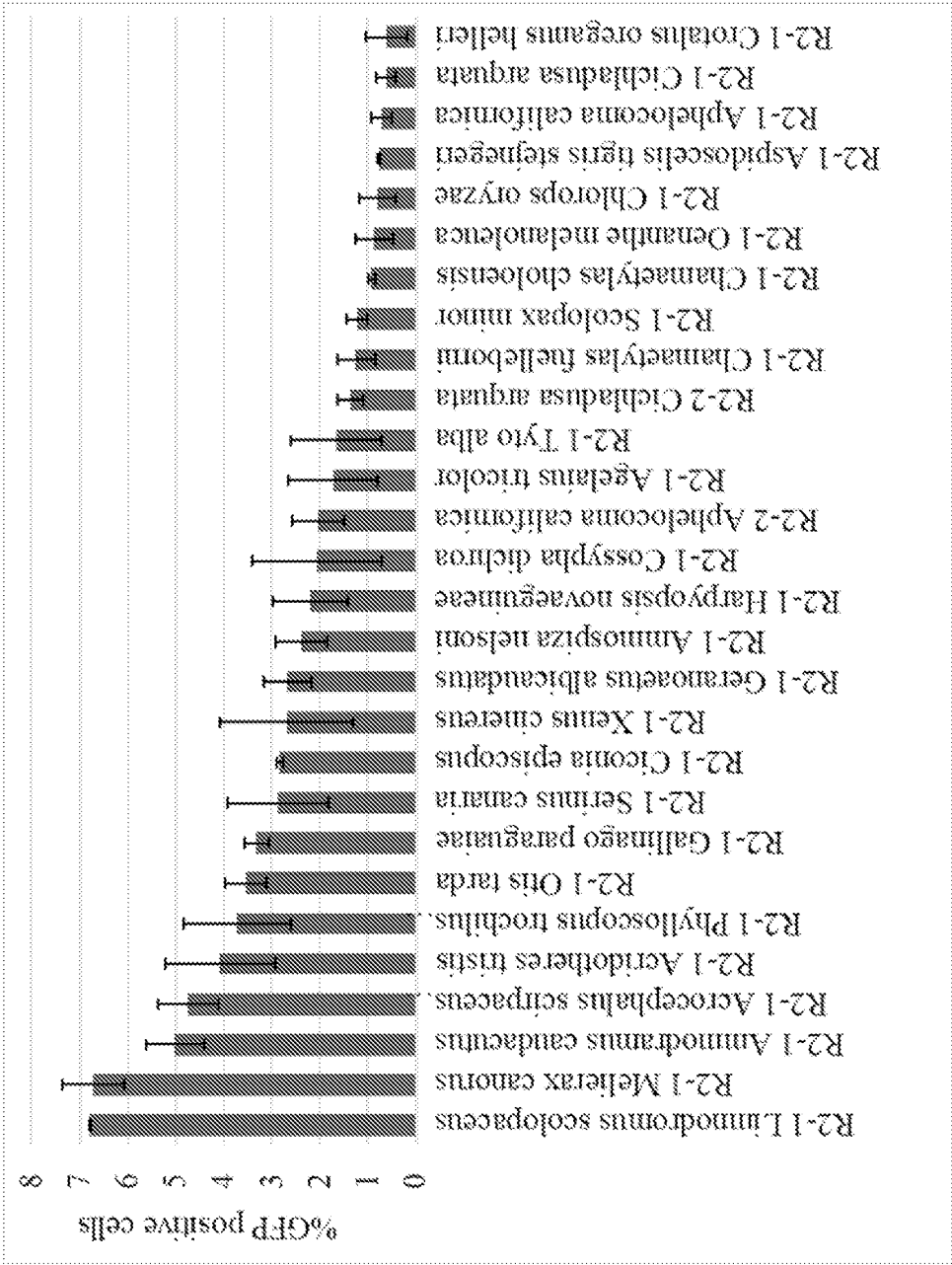


FIG. 71A

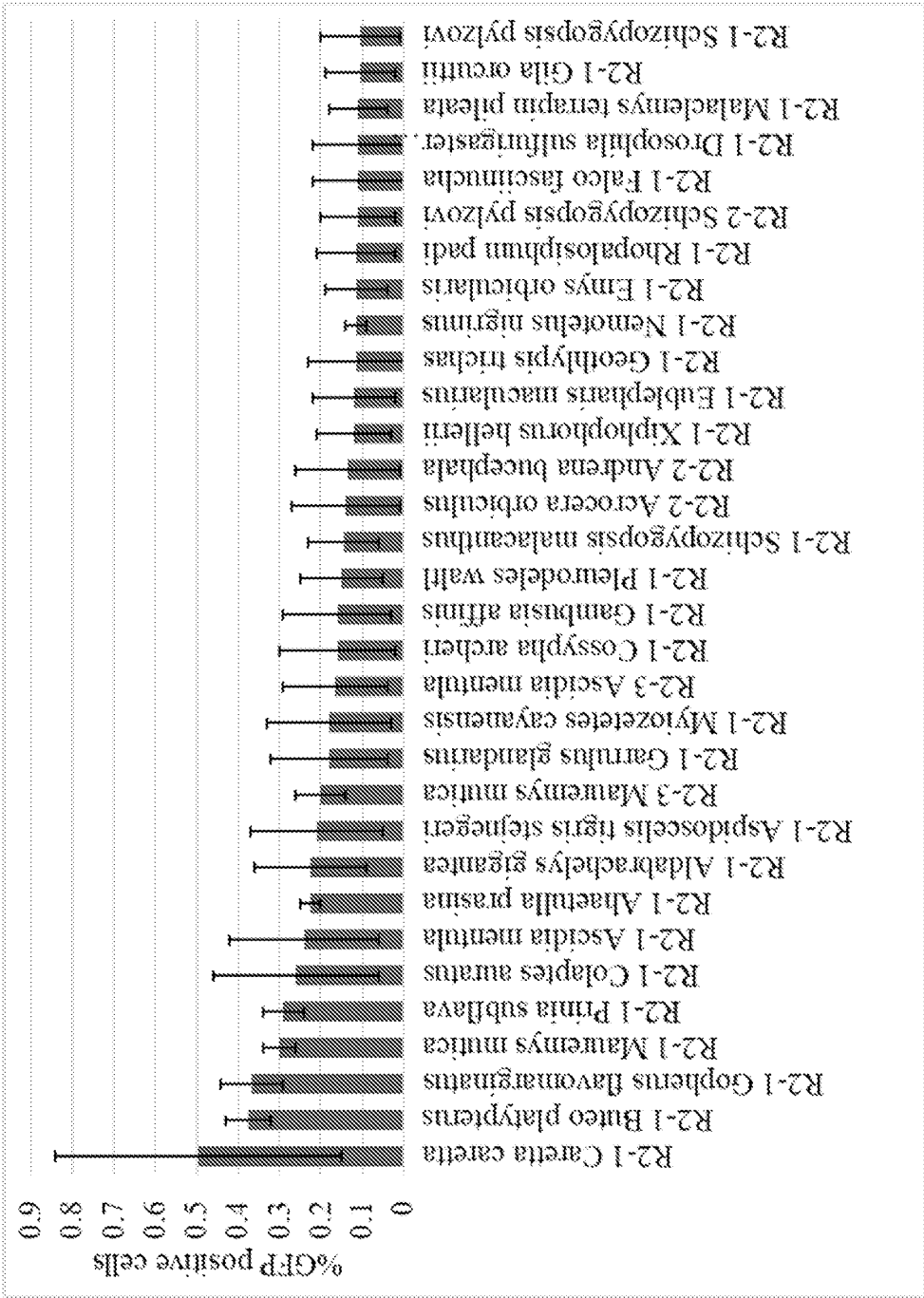


FIG. 71B

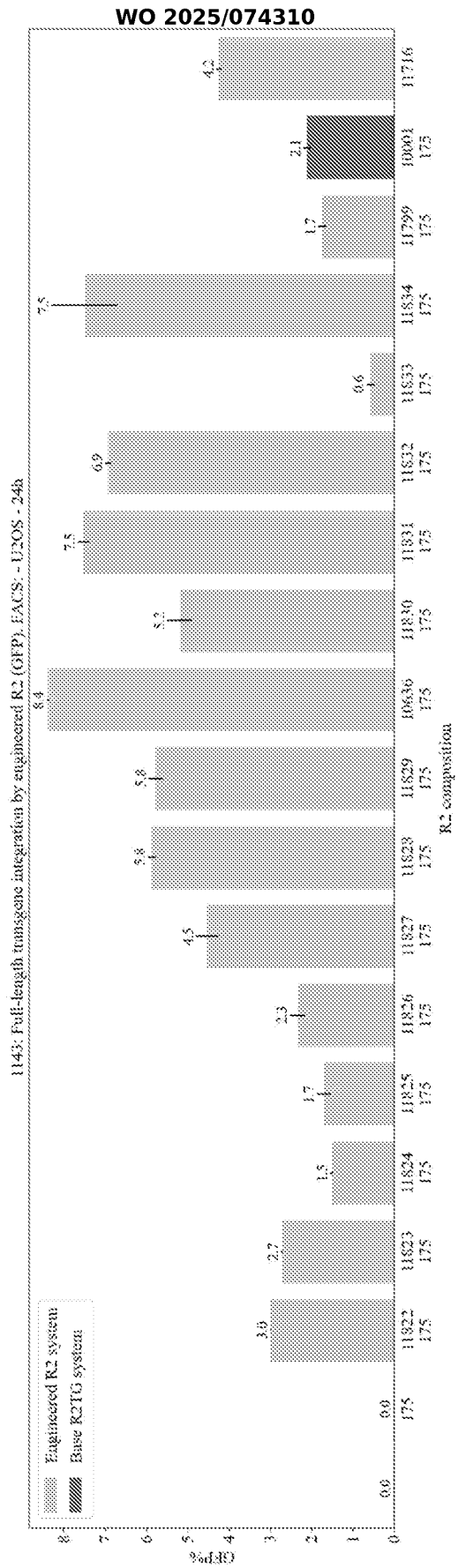


FIG. 72A

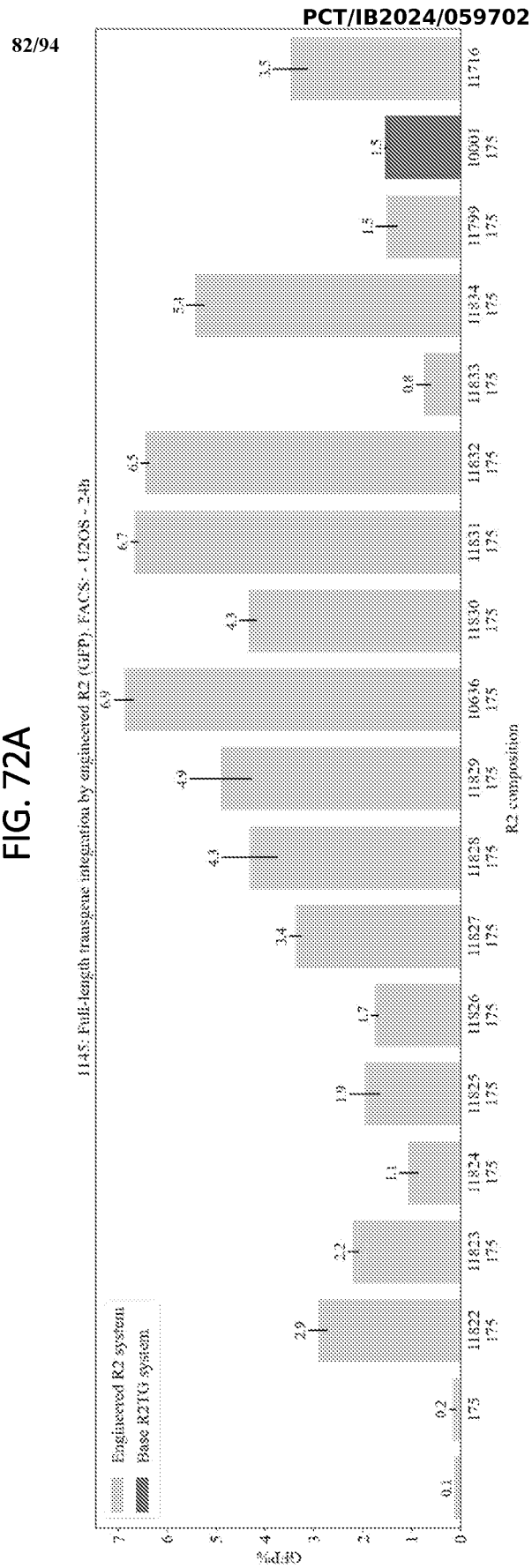


FIG. 72B

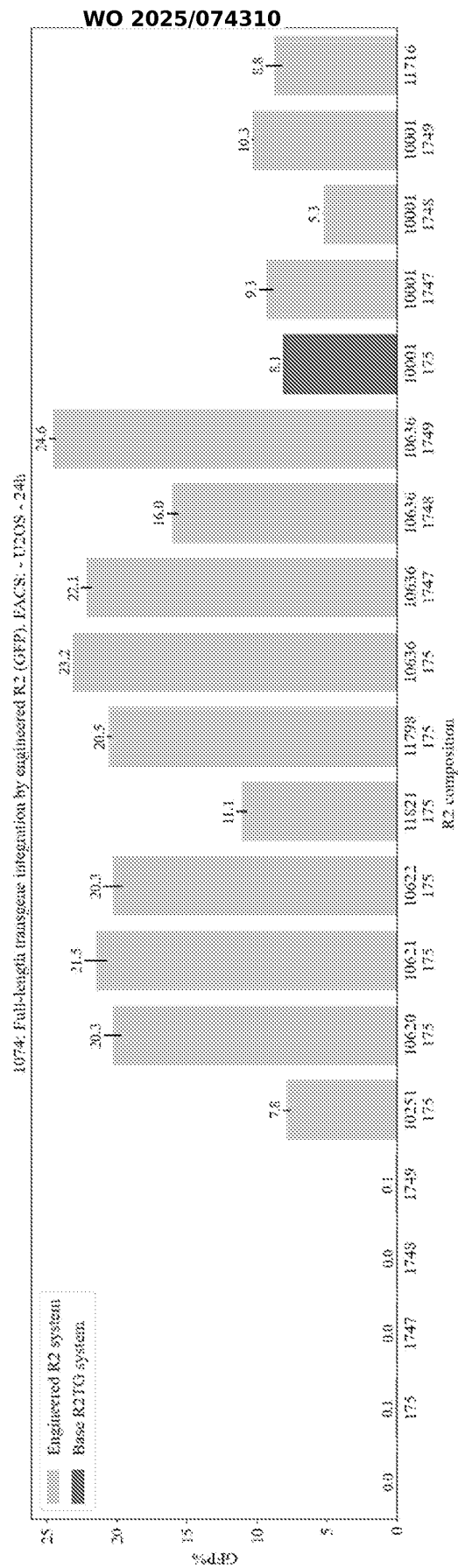


FIG. 73A

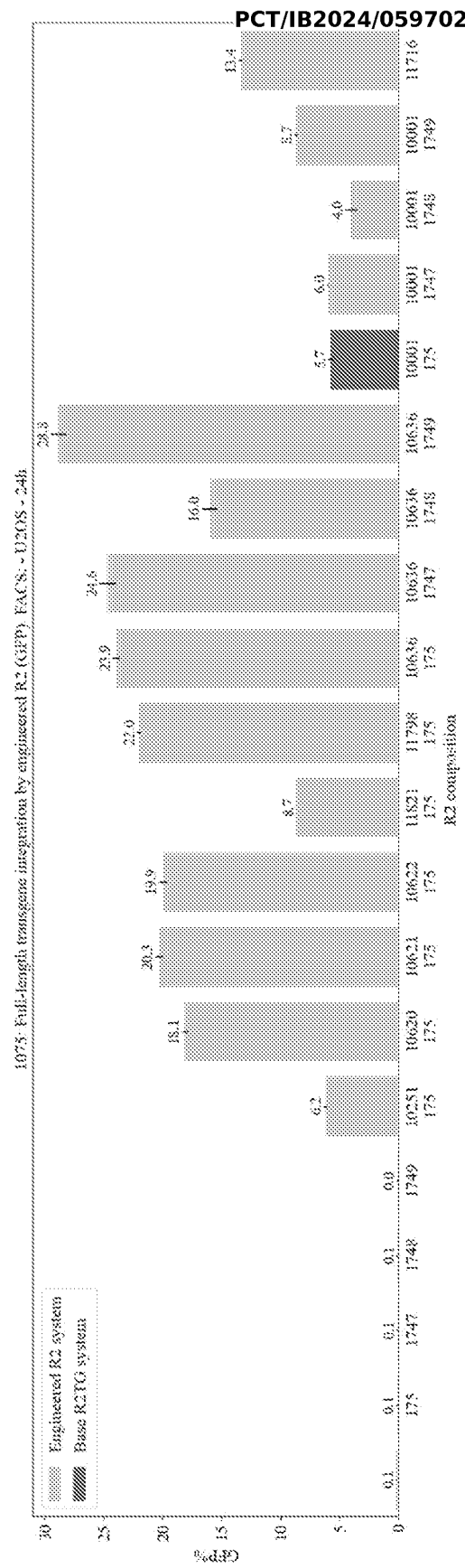


FIG. 73B

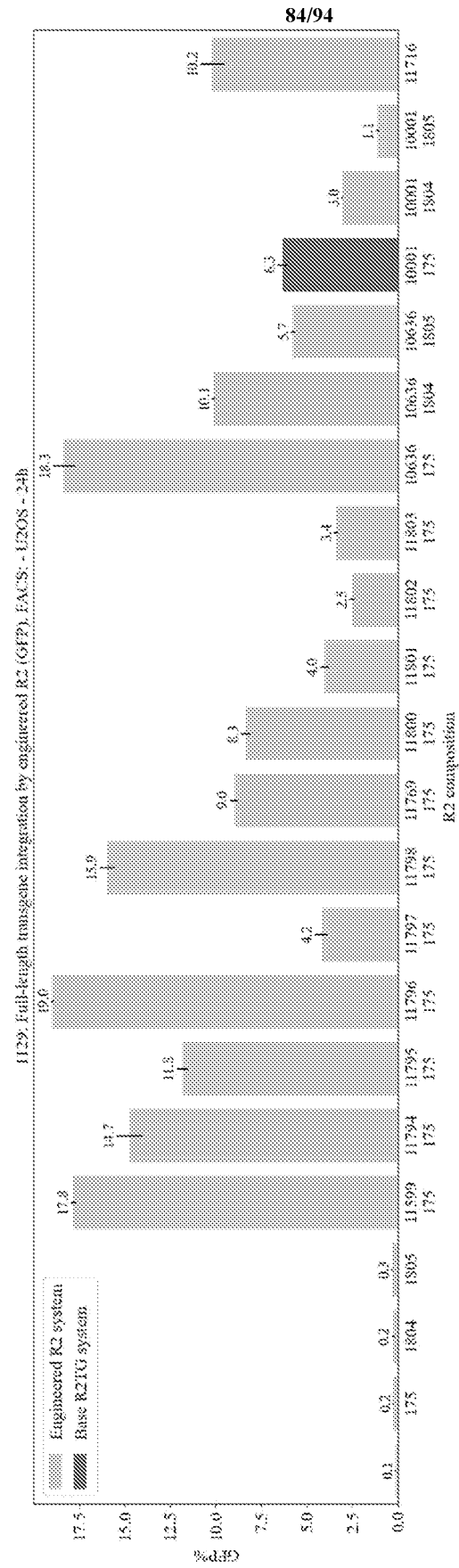


FIG. 74

1132: Full-length transgene integration by engineered R2 (GFP). FACS: - U2OS - 24h

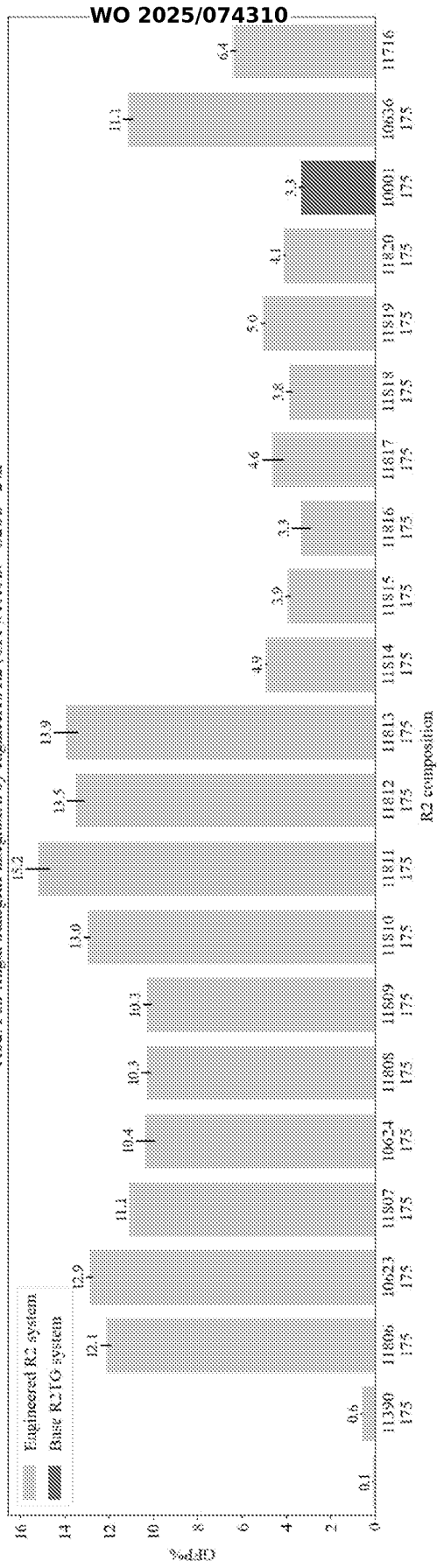


FIG. 75A

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1136: Full-length transgene integration by engineered R2 (GFP). FACS: - U2OS - 24h

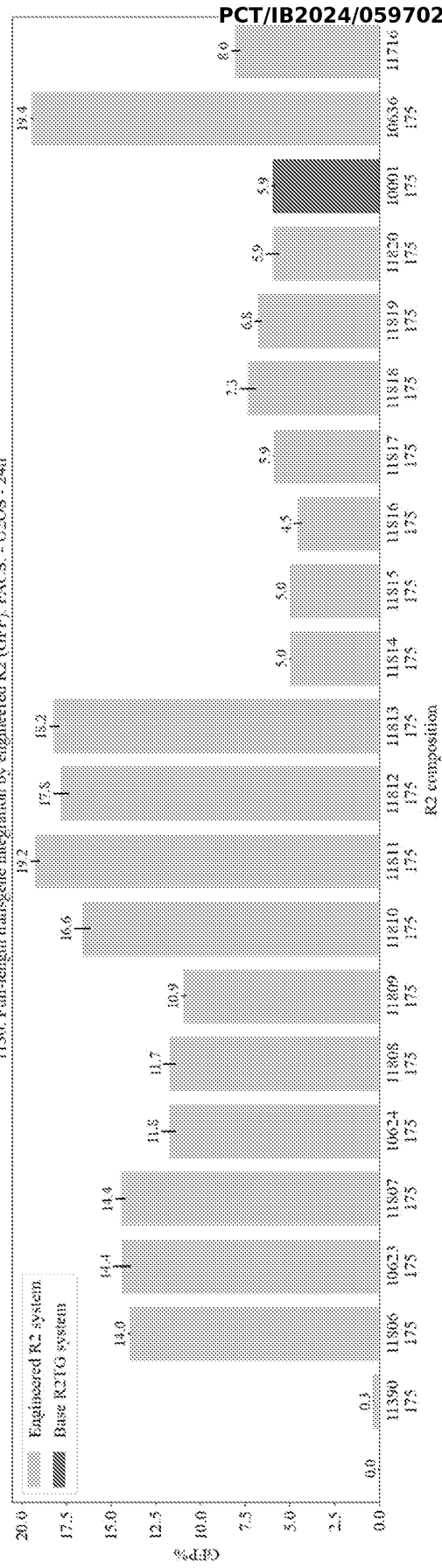


FIG. 75B

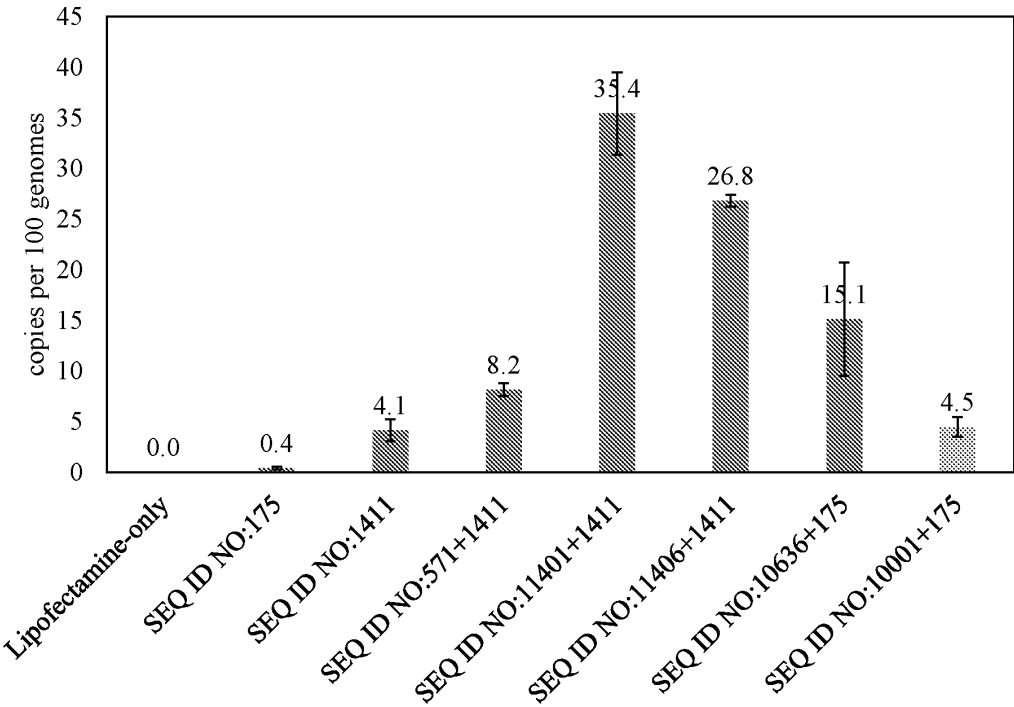


FIG. 76A

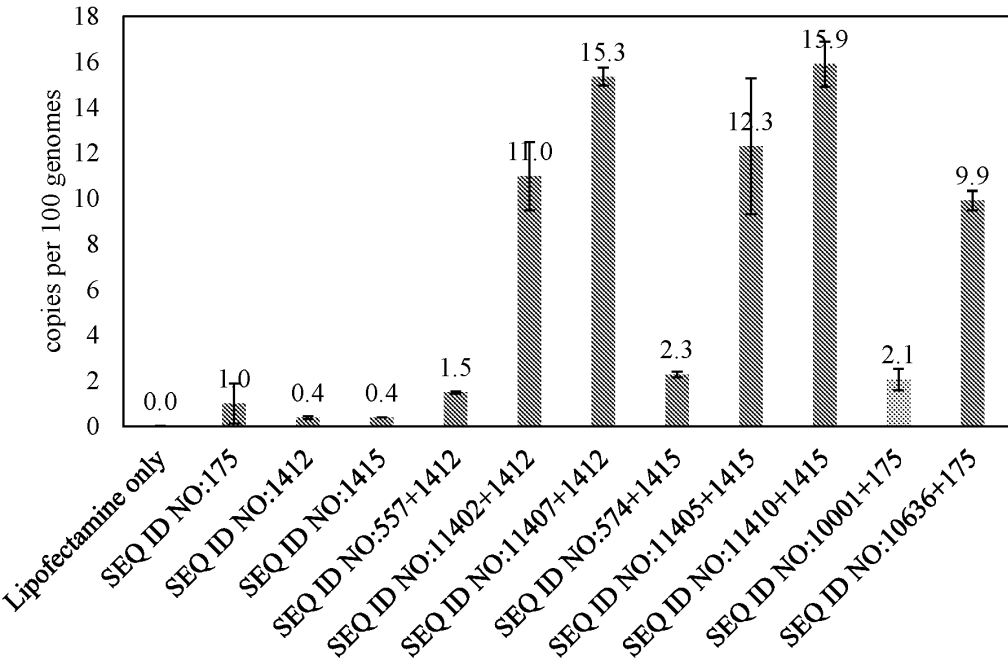


FIG. 76B

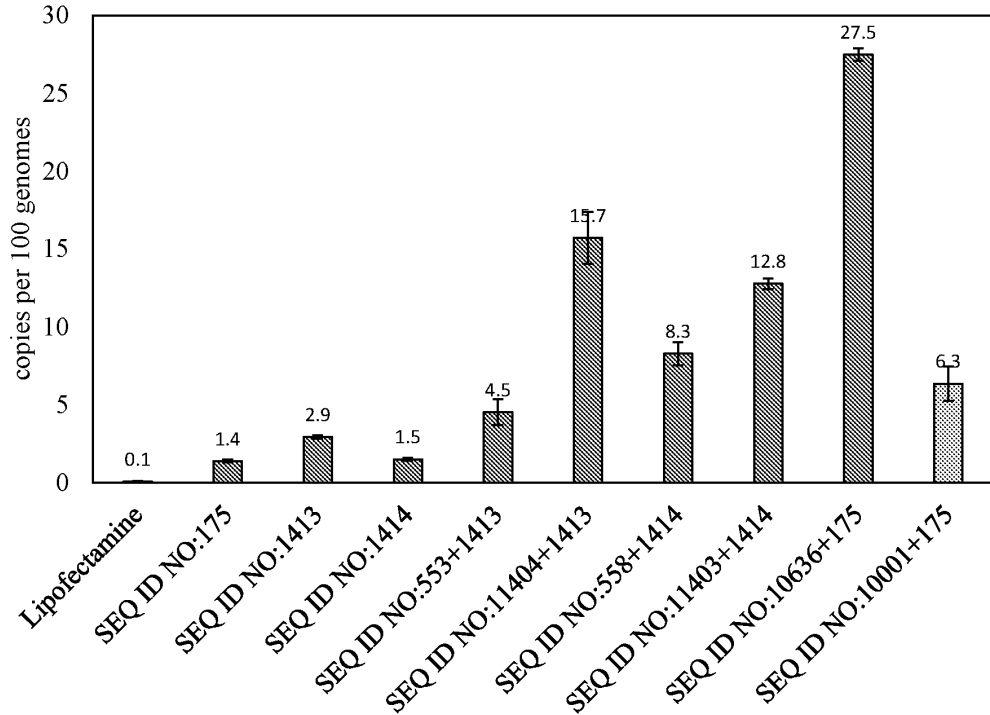


FIG. 76C

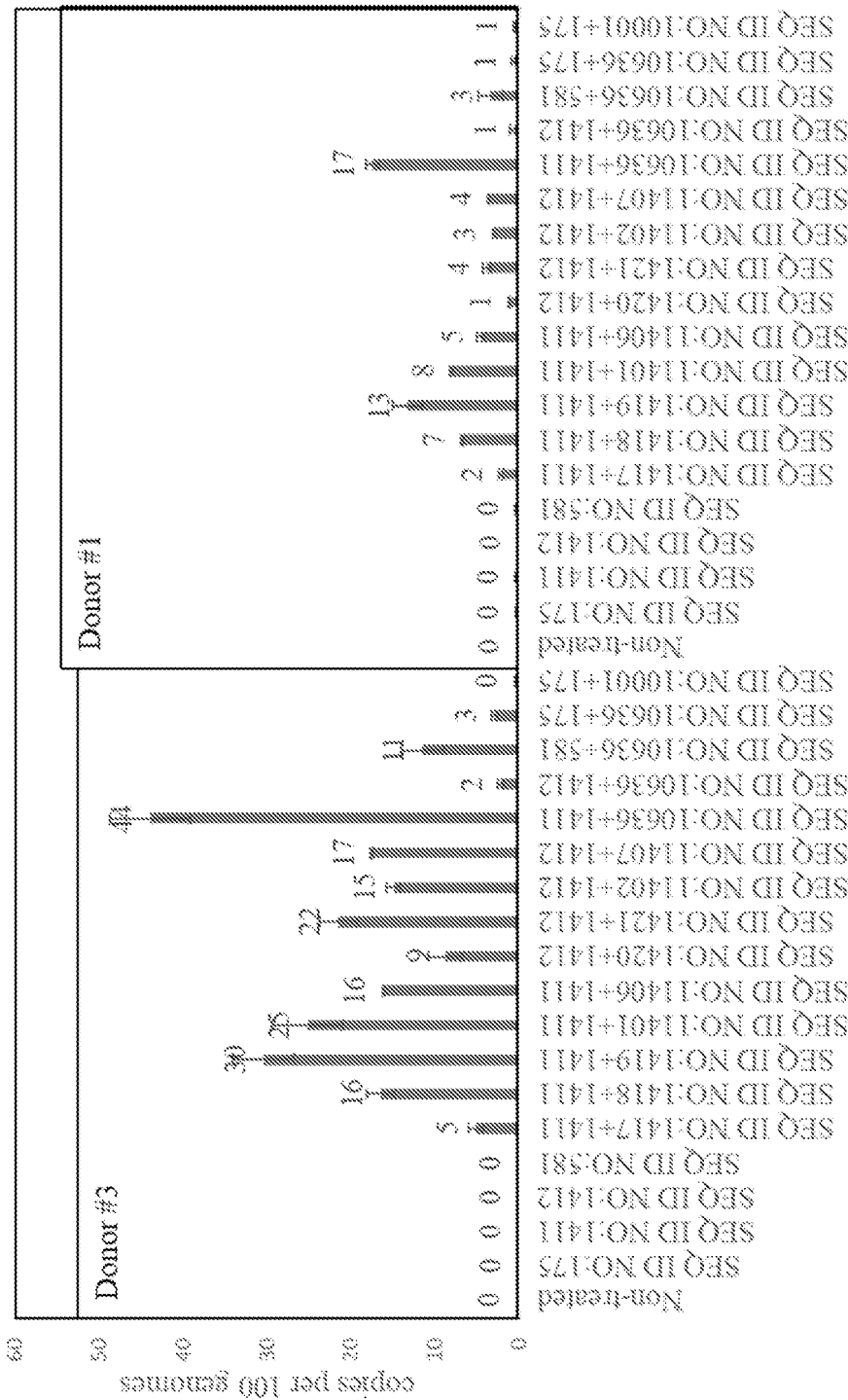


FIG. 76D

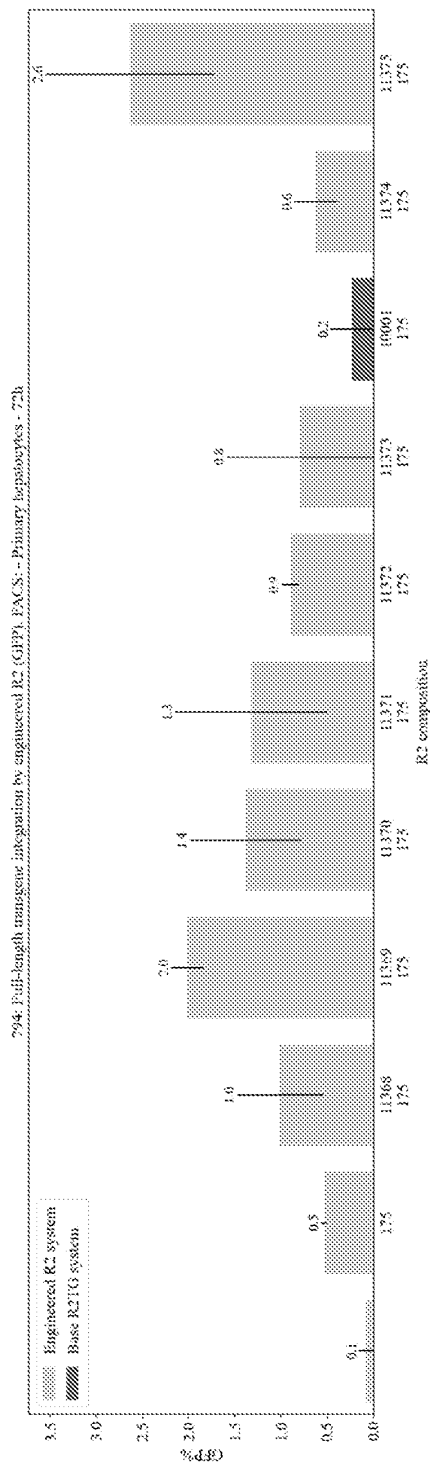


FIG. 77A

915: Full-length transgene integration by engineered R2 (GFP). FACS: - Primary hepatocytes - 72h

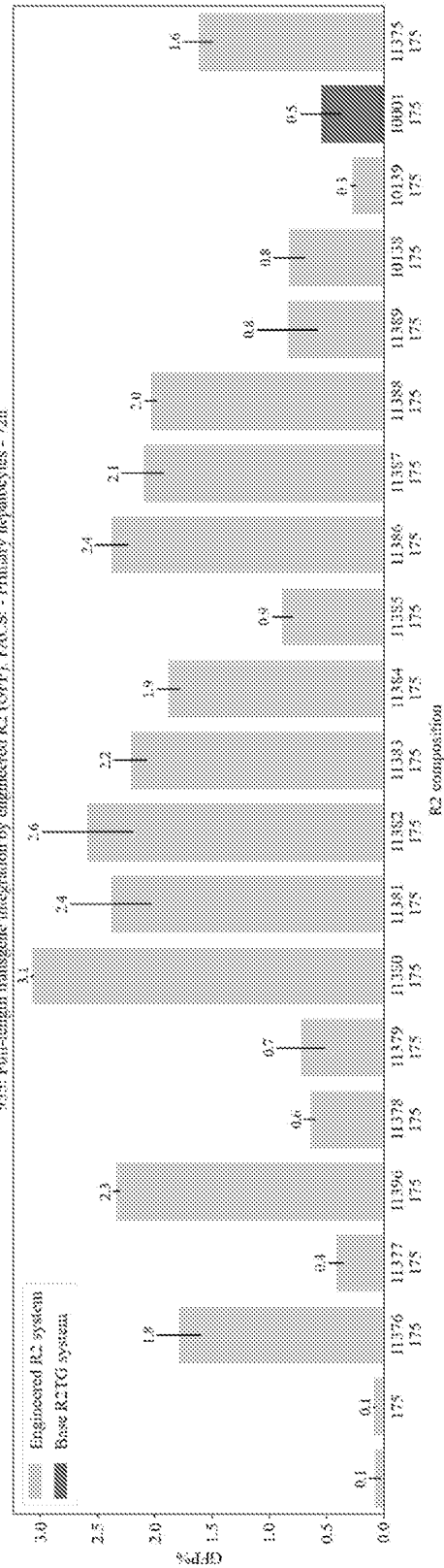


FIG. 77B

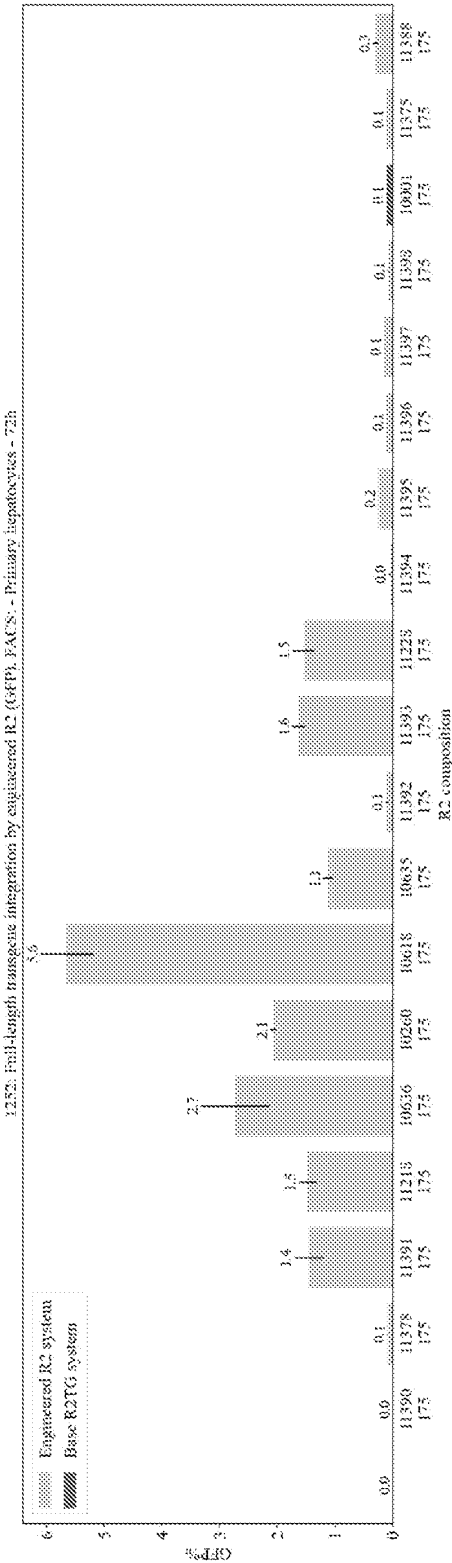


FIG. 77C

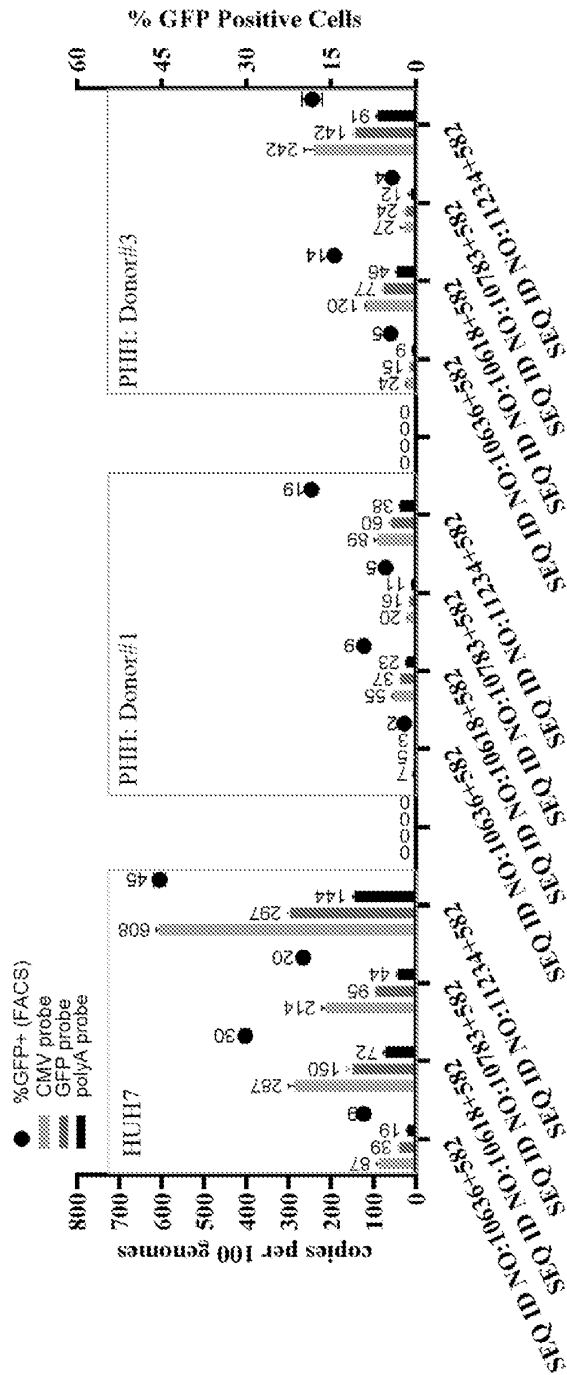


FIG. 77D

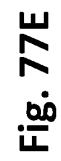
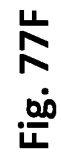


Fig. 77E



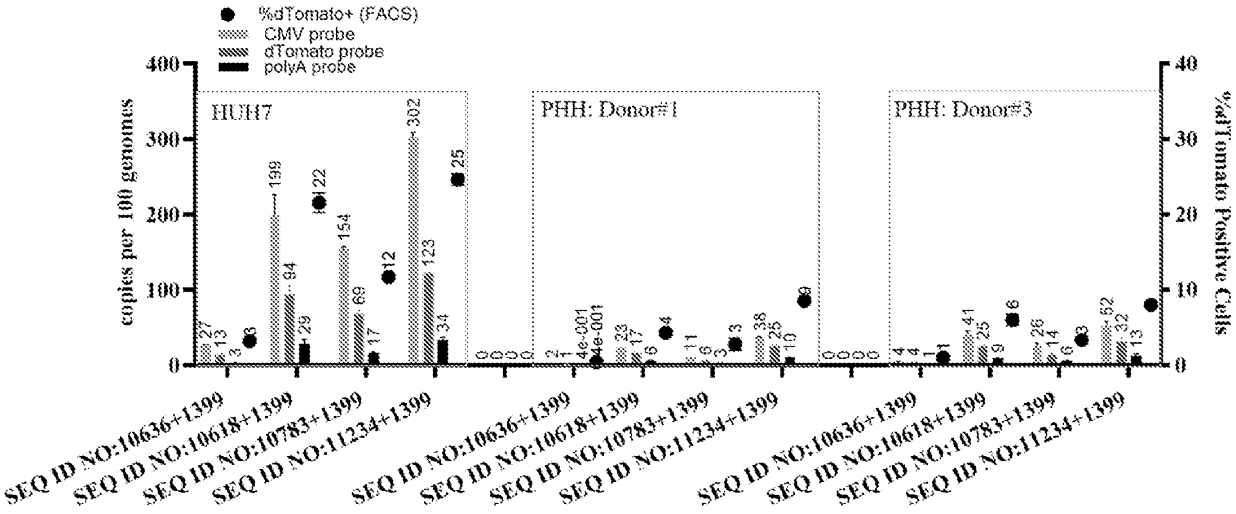


FIG. 78A

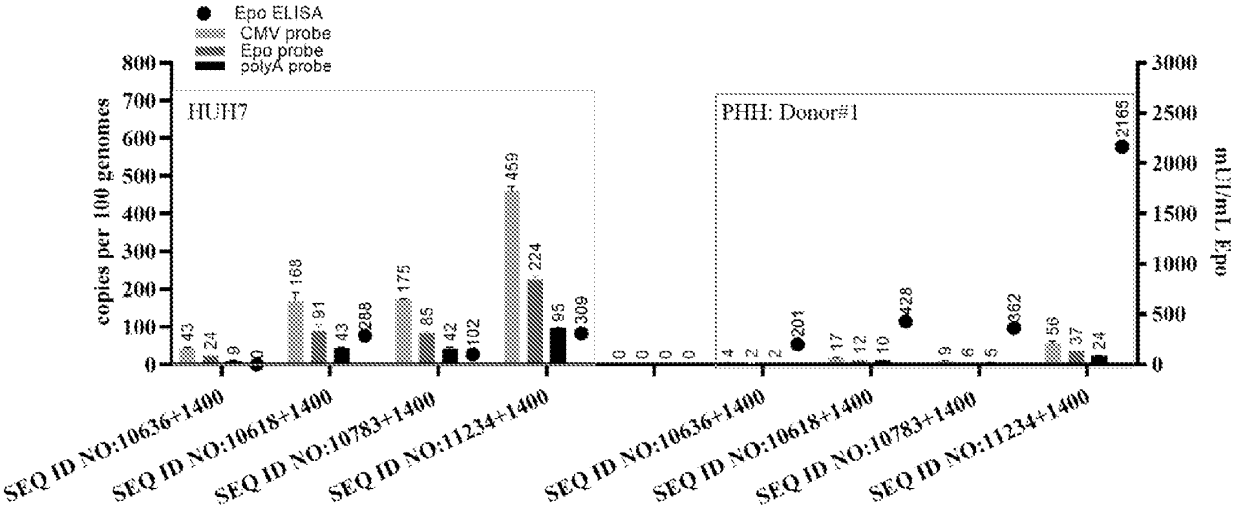


FIG. 78B