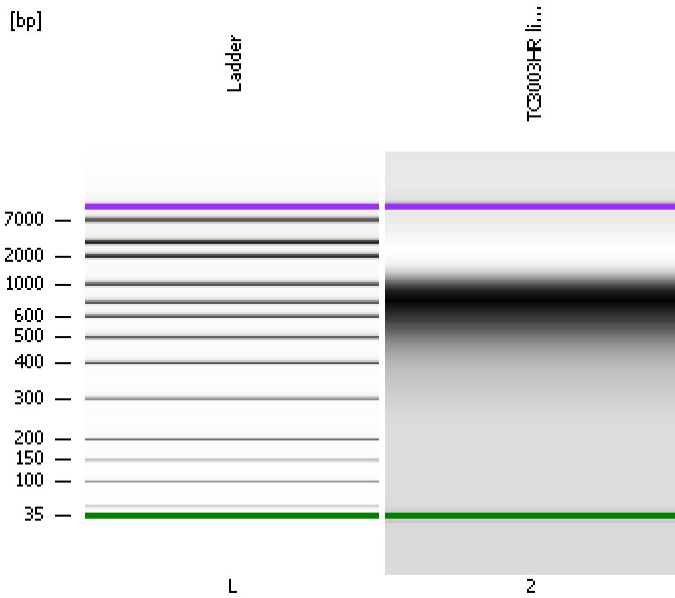


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...\Bioanalyzer\2015-12-30\2015-12-30_003_TC3003HR_Library.xad

Created: 12/30/2015 2:34:32 PM
Modified: 12/30/2015 3:20:52 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

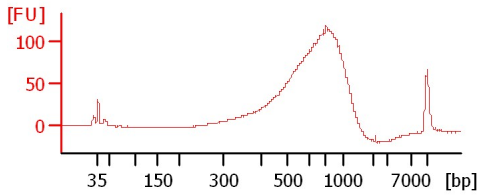
Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\High Sensitivity DNA.xsy
Assay Class: High Sensitivity DNA Assay
Version: 1.03
Assay Comments: Copyright © 2003-2010 Agilent Technologies

Chip Information:

Chip Lot #:
Reagent Kit Lot #:
Chip Comments:

TC3003HR library



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...\Bioanalyzer\2015-12-30\2015-12-30_003_TC3003HR_Library.xad

Created: 12/30/2015 2:34:32 PM
Modified: 12/30/2015 3:20:52 PM

Electrophoresis File Run Summary (Chip Summary)

| Sample Name | Sample Comment | Rest. Digest | Status | Observation | Result Label | Result Color |
|-------------------|----------------|--------------------------|--------|--------------------------|--------------|--------------|
| TC3003HR library | | <input type="checkbox"/> | | | | |
| Ladder | | <input type="checkbox"/> | | | | |
| Chip Lot # | | | | Reagent Kit Lot # | | |

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer\2015-12-30\2015-12-30_003_TC3003HR_Library.xad

Created: 12/30/2015 2:34:32 PM
 Modified: 12/30/2015 3:20:52 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12
 Minimum Visible Range [s] : 32
 Maximum Visible Range [s] : 138
 Start Analysis Time Range [s] : 33
 End Analysis Time Range [s] : 137.5
 Ladder Concentration [pg/μl] : 1950
 Uses Standard Area for Ladder Fragments
 Lower Marker Concentration [pg/μl] : 125
 Upper Marker Concentration [pg/μl] : 75
 Used Upper Marker for Quantitation
 Standard Curve Fit is Point to Point
 Show Data Aligned to Lower and Upper Marker

Integrator Settings

Integration Start Time [s] : 33.05
 Integration End Time [s] : 137
 Slope Threshold : 0.8
 Height Threshold [FU] : 5
 Area Threshold : 0.1
 Width Threshold [s] : 0.6
 Baseline Plateau [s] : 0.5

Filter Settings

Filter Width [s] : 0.5
 Polynomial Order : 4

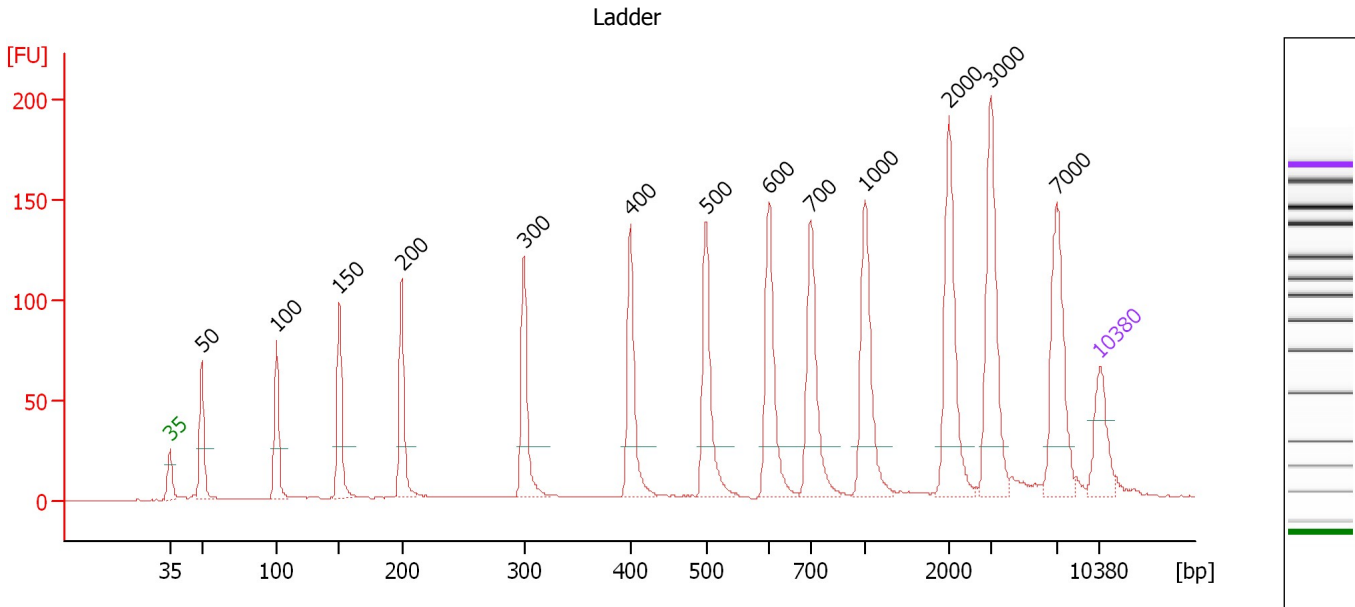
Ladder

| Ladder Peak | Size | Area |
|-------------|-------|------|
| 1 | 35 | 160 |
| 2 | 50 | 210 |
| 3 | 100 | 208 |
| 4 | 150 | 221 |
| 5 | 200 | 242 |
| 6 | 300 | 270 |
| 7 | 400 | 305 |
| 8 | 500 | 306 |
| 9 | 600 | 336 |
| 10 | 700 | 321 |
| 11 | 1000 | 366 |
| 12 | 2000 | 413 |
| 13 | 3000 | 411 |
| 14 | 7000 | 400 |
| 15 | 10380 | 214 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer\2015-12-30\2015-12-30_003_TC3003HR_Library.xad

Created: 12/30/2015 2:34:32 PM
 Modified: 12/30/2015 3:20:52 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

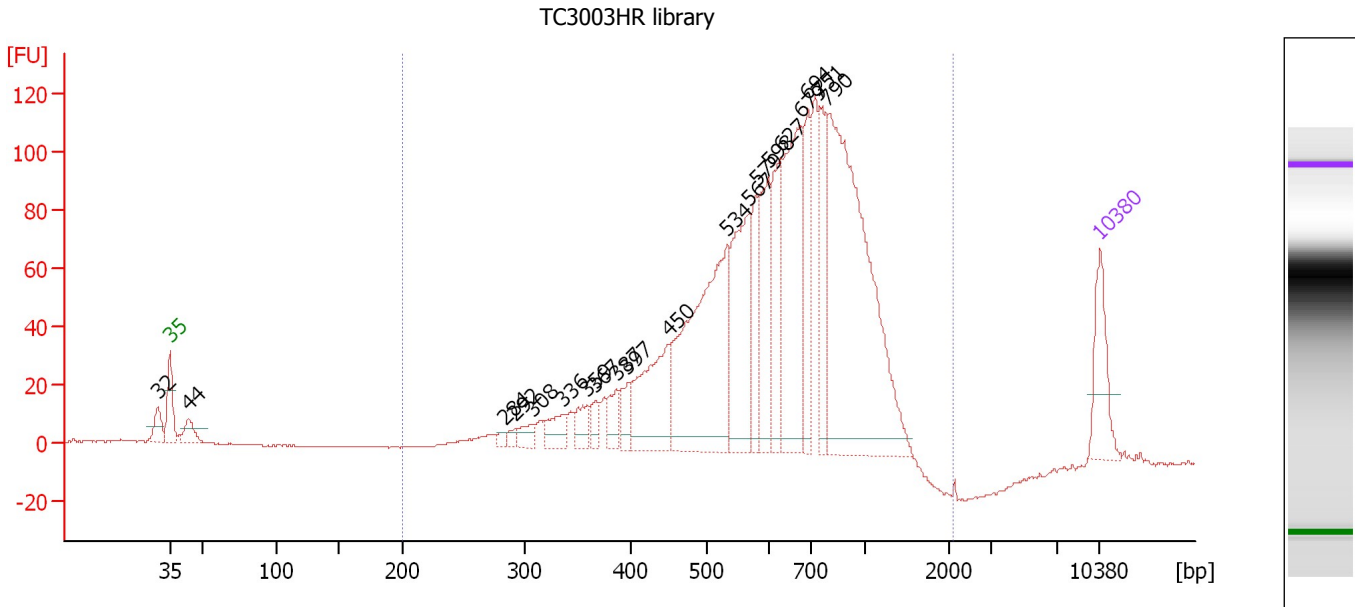
Peak table for Ladder

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker | 43.00 |
| 2 | 50 | 150.00 | 4,545.5 | Ladder Peak | 45.38 |
| 3 | 100 | 150.00 | 2,272.7 | Ladder Peak | 51.03 |
| 4 | 150 | 150.00 | 1,515.2 | Ladder Peak | 55.74 |
| 5 | 200 | 150.00 | 1,136.4 | Ladder Peak | 60.44 |
| 6 | 300 | 150.00 | 757.6 | Ladder Peak | 69.64 |
| 7 | 400 | 150.00 | 568.2 | Ladder Peak | 77.66 |
| 8 | 500 | 150.00 | 454.5 | Ladder Peak | 83.36 |
| 9 | 600 | 150.00 | 378.8 | Ladder Peak | 88.11 |
| 10 | 700 | 150.00 | 324.7 | Ladder Peak | 91.21 |
| 11 | 1,000 | 150.00 | 227.3 | Ladder Peak | 95.33 |
| 12 | 2,000 | 150.00 | 113.6 | Ladder Peak | 101.61 |
| 13 | 3,000 | 150.00 | 75.8 | Ladder Peak | 104.75 |
| 14 | 7,000 | 150.00 | 32.5 | Ladder Peak | 109.73 |
| 15 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer\2015-12-30\2015-12-30_003_TC3003HR_Library.xad

Created: 12/30/2015 2:34:32 PM
 Modified: 12/30/2015 3:20:52 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : TC3003HR library

Number of peaks found: 20 Corr. Area 1: 1,893.1
 Noise: 0.2

Peak table for sample 2 : TC3003HR library

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1 | 32 | 0.00 | 0.0 | | 42.06 |
| 2 | 35 | 125.00 | 5,411.3 | Lower Marker | 43.00 |
| 3 | 44 | 40.41 | 1,399.1 | | 44.39 |
| 4 | 284 | 9.10 | 48.6 | | 68.12 |
| 5 | 292 | 11.62 | 60.2 | | 68.93 |
| 6 | 308 | 23.27 | 114.5 | | 70.27 |
| 7 | 336 | 41.69 | 187.8 | | 72.56 |
| 8 | 359 | 35.67 | 150.4 | | 74.39 |
| 9 | 367 | 25.33 | 104.5 | | 75.02 |
| 10 | 387 | 32.78 | 128.5 | | 76.59 |
| 11 | 397 | 36.43 | 139.0 | | 77.44 |
| 12 | 450 | 168.54 | 568.0 | | 80.49 |
| 13 | 534 | 422.68 | 1,199.8 | | 84.96 |
| 14 | 567 | 207.50 | 554.7 | | 86.53 |
| 15 | 579 | 91.15 | 238.5 | | 87.11 |
| 16 | 598 | 134.83 | 341.7 | | 88.01 |
| 17 | 627 | 122.45 | 295.9 | | 88.95 |
| 18 | 679 | 301.96 | 673.6 | | 90.56 |
| 19 | 694 | 111.96 | 244.5 | | 91.01 |
| 20 | 751 | 110.83 | 223.6 | | 91.91 |
| 21 | 790 | 656.65 | 1,259.5 | | 92.44 |
| 22 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...\Bioanalyzer\2015-12-30\2015-12-30_003_TC3003HR_Library.xad

Created: 12/30/2015 2:34:32 PM
Modified: 12/30/2015 3:20:52 PM

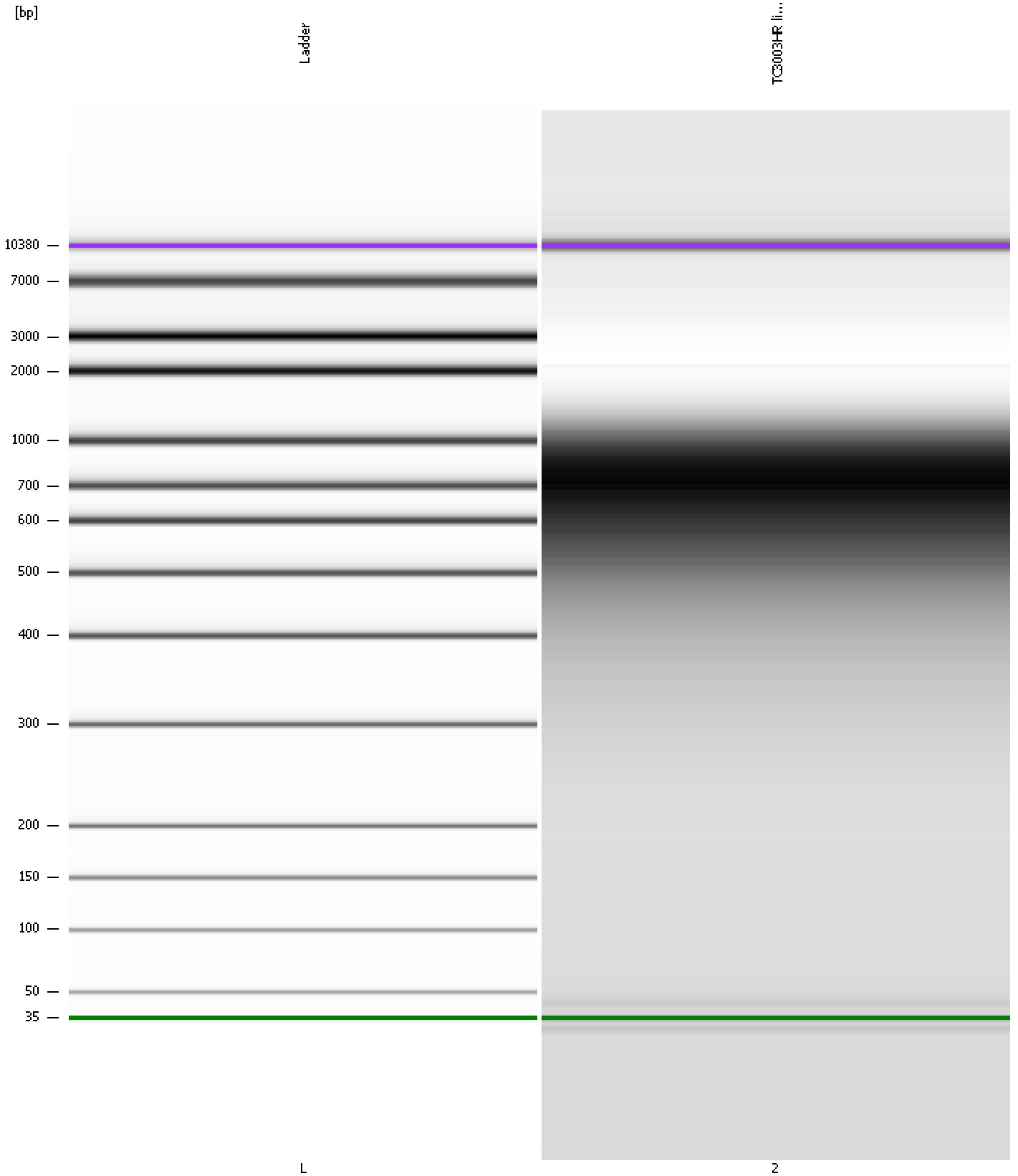
Electropherogram Summary Continued ...**... Region table for sample 2 : TC3003HR library**

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|----------------------|----------------|------------------------------|-----------------------|------------------------------|---------------------------------|-----------------------|--|
| 200 | 2,083 | 666 | 1,893.1 | 7,466.5 | ■ 2,796.74 | 96 | 33.7 |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...\Bioanalyzer\2015-12-30\2015-12-30_003_TC3003HR_Library.xad

Created: 12/30/2015 2:34:32 PM
Modified: 12/30/2015 3:20:52 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer\2015-12-30\2015-12-30_003_TC3003HR_Library.xad

Created: 12/30/2015 2:34:32 PM
 Modified: 12/30/2015 3:20:52 PM

Run Logbook

| Description | Number | Source | Category | Sub Category | Time | Time Zone | User | Host |
|---|--------|------------|----------|--------------|-----------------------|-------------------------------------|----------|----------|
| Run ended on port 1 (Number of wells acquired: 10) | | Instrument | Run | | 12/30/2015 3:10:06 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2015-12-30\2015-12-30_003.xad) | | Instrument | Run | | 12/30/2015 2:34:38 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Product Number : G2938B | | Instrument | Run | | 12/30/2015 2:34:38 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Name : | | Instrument | Run | | 12/30/2015 2:34:38 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Vendor : Agilent Technologies | | Instrument | Run | | 12/30/2015 2:34:38 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Serial# : DE13701086 | | Instrument | Run | | 12/30/2015 2:34:38 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Firmware : C.01.069 | | Instrument | Run | | 12/30/2015 2:34:38 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Cartridge : Electrode | | Instrument | Run | | 12/30/2015 2:34:38 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |