GSE10327

<table>
<thead>
<tr>
<th>Samples (Predicted Gender)</th>
<th>MetaFemale (n=19)</th>
<th>MetaMale (n=41)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expression (log2)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

probeset
- KDM5D
- RPS4Y1
- XIST

- M: MetaMale
- F: MetaFemale
GSE10586

MetaFemale (n=18)

Samples (Predicted Gender)

Expression (log2)

MetaMale (n=9)

probeset

- ● KDM5D
- ○ RPS4Y1
- ● XIST

MetaFemale (n=18)

MetaMale (n=9)
GSE11882

MetaFemale (n=82)

MetaMale (n=89)

Expression (log2)

Samples (Predicted Gender)

probeset
- KDM5D
- RPS4Y1
- XIST
GSE14333

MetaFemale (n=125)

MetaMale (n=162)

Expression (log2)

Samples (Predicted Gender)

probeset

- KDM5D
- RPS4Y1
- XIST
GSE15434

MetaFemale (n=134)  MetaMale (n=117)

Expression (log2)

Samples (Predicted Gender)

probeset
- KDM5D
- RPS4Y1
- XIST
GSE16447

MetaFemale (n=5)

MetaMale (n=4)

Samples (Predicted Gender)

Expression (log2)

probeset
- KDM5D
- RPS4Y1
- XIST
Expression (log2)

Samples (Predicted Gender)

probeset
- KDM5D
- RPS4Y1
- XIST

GSE17913

MetaFemale (n=37)

MetaMale (n=40)
GSE20146

MetaFemale (n=7)

MetaMale (n=12)

Expression (log2)

probeset

- KDM5D
- RPS4Y1
- XIST

Samples (Predicted Gender)
GSE22138

MetaFemale (n=22)  MetaMale (n=39)

Expression (log2)

Counts

Samples (Predicted Gender)

probeset
- KDM5D
- RPS4Y1
- XIST
GSE24235

MetaFemale (n=16)

Expression (log2)

MetaMale (n=12)

Samples (Predicted Gender)

probeset
- • KDM5D
- ○ RPS4Y1
- ◆ XIST
GSE24265

MetaFemale (n=6)

<table>
<thead>
<tr>
<th>Samples (Predicted Gender)</th>
<th>Expression (log2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>F</td>
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MetaMale (n=5)

<table>
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<tr>
<th>Samples (Predicted Gender)</th>
<th>Expression (log2)</th>
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<tbody>
<tr>
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<tr>
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</tbody>
</table>

probeset
- KDM5D
- RPS4Y1
- XIST

samples (predicted gender)
GSE26051

MetaFemale (n=16) vs. MetaMale (n=30)

Expression (log2)

Samples (Predicted Gender)

probeset
- KDM5D
- RPS4Y1
- XIST
GSE27657

MetaFemale (n=13)  
MetaMale (n=4)
GSE27916

| Expression (log2) |  
|------------------|--
| MetaFemale (n=262) |
| MetaMale (n=113) |

Samples (Predicted Gender)

- probeset
  - KDM5D
  - RPS4Y1
  - XIST
GSE29819

MetaFemale (n=16)

MetaMale (n=20)

Expression (log2)

Samples (Predicted Gender)

probeset
• KDM5D
○ RPS4Y1
• XIST
GSE31983

MetaFemale (n=65)

MetaMale (n=62)

Expression (log2)

Samples (Predicted Gender)

probeset
- KDM5D
- RPS4Y1
- XIST
<table>
<thead>
<tr>
<th>Samples (Predicted Gender)</th>
<th>MetaFemale (n=37)</th>
<th>MetaMale (n=44)</th>
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<tr>
<td>Expression (log2)</td>
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<tr>
<td>12.5</td>
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<td>10.0</td>
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<tr>
<td>5.0</td>
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</table>

probeset
- KDM5D
- RPS4Y1
- XIST
GSE6575

Expression (log2)

Samples (Predicted Gender)

Metastatic Female (n=9)  MetaMale (n=45)

probeset
- KDM5D
- RPS4Y1
- XIST
GSE7036

MetaFemale (n=4)

MetaMale (n=2)

Expression (log2)

Samples (Predicted Gender)

probeset
- KDM5D
- RPS4Y1
- XIST
GSE8586

<table>
<thead>
<tr>
<th>MetaFemale (n=22)</th>
<th>MetaMale (n=31)</th>
</tr>
</thead>
</table>

Expression (log2)

Samples (Predicted Gender)

probeset
- **KDM5D**
- **RPS4Y1**
- **XIST**
Samples (Predicted Gender)

Expression (log2)

probeset
- KDM5D
- RPS4Y1
- XIST
Expression (log2) for MetaFemale (n=31) and MetaMale (n=65) samples. The plot shows the expression levels for probeset KDM5D, RPS4Y1, and XIST. The samples are color-coded for Predicted Gender.
The graph illustrates gene expression levels (log2) for a dataset labeled "stanley_altarC". The x-axis represents samples predicted to be of a specific gender, with 'F' indicating female and 'M' indicating male. The y-axis represents expression levels, ranging from 0 to 10.

The dataset is divided into two groups: MetaFemale (n=16) and MetaMale (n=28). The expression levels for genes KDM5D, RPS4Y1, and XIST are plotted.

- **KDM5D**: Represented by filled circles (●) and is consistently higher in MetaMale compared to MetaFemale.
- **RPS4Y1**: Represented by open circles (○) and shows variable expression levels between genders.
- **XIST**: Represented by red dots (●) and is consistently higher in MetaFemale compared to MetaMale.

The graph visually supports the biological difference in gene expression between genders, with certain genes exhibiting gender-specific expression patterns.
GSE10172

MetaFemale (n=9)  MetaMale (n=23)

Expression (log2)

Samples (Predicted Gender)

- probeset
  - KDM5D
  - RPS4Y1
  - XIST

MetaFemale (n=9)  MetaMale (n=23)
GSE10867

MetaFemale (n=10)  MetaMale (n=10)

Expression (log2)

Samples (Predicted Gender)

probeset
- KDM5D
- RPS4Y1
- XIST

MetaFemale (n=10)
MetaMale (n=10)
GSE14814

MetaFemale (n=15)                      MetaMale (n=67)

Expression (log2)

probeset
- ● KDM5D
- ○ RPS4Y1
- ● XIST

Samples(Predicted Gender)
GSE20164

Samples (Predicted Gender)

MetaFemale (n=6)

Expression (log2)

KDM5D

RPS4Y1

XIST

probeset

• KDM5D

○ RPS4Y1

• XIST

MetaMale (n=5)
GSE20168

<table>
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<th>Expression (log2)</th>
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<tbody>
<tr>
<td>GSE20168</td>
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</table>

Samples (Predicted Gender)

<table>
<thead>
<tr>
<th>Probeset</th>
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</thead>
<tbody>
<tr>
<td>KDM5D</td>
</tr>
<tr>
<td>RPS4Y1</td>
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<td>XIST</td>
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GSE20295

<table>
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<tr>
<th>MetaFemale (n=21)</th>
<th>MetaMale (n=43)</th>
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</table>

Expression (log2)

Samples (Predicted Gender)

probeset
- ● KDM5D
- ○ RPS4Y1
- ● XIST

MetaFemale (n=21)

MetaMale (n=43)
GSE20314

<table>
<thead>
<tr>
<th>Samples (Predicted Gender)</th>
<th>MetaFemale (n=2)</th>
<th>MetaMale (n=6)</th>
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<tbody>
<tr>
<td></td>
<td>F</td>
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<tr>
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</tbody>
</table>

Expression (log2)

probeset
- KDM5D
- RPS4Y1
- XIST
GSE2888

MetaFemale (n=14)          MetaMale (n=14)

Expression (log2)

Samples (Predicted Gender)

probeset
• KDM5D
○ RPS4Y1
● XIST

F  F  F  F  F  F  F  F  F  F  F  F  F  F
M  M  M  M  M  M  M  M  M  M  M  M  M  M
GSE430

<table>
<thead>
<tr>
<th>MetaFemale (n=4)</th>
<th>MetaMale (n=10)</th>
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<tr>
<td>Expression (log2)</td>
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</tbody>
</table>

 Samples(Predicted Gender)

probeset
- KDM5D
- RPS4Y1
- XIST
GSE7142

<table>
<thead>
<tr>
<th>MetaFemale (n=1)</th>
<th>MetaMale (n=3)</th>
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</table>

Expression (log2)

samples (predicted gender)

probeset
- KDM5D
- RPS4Y1
- XIST
GSE8441

MetaFemale (n=12)

MetaMale (n=10)

Expression (log2)

Samples (Predicted Gender)

probeset
- ● KDM5D
- ○ RPS4Y1
- ● XIST

MetaFemale (n=12)

MetaMale (n=10)
GPL96.97–GSE10760

<table>
<thead>
<tr>
<th>MetaFemale (n=48)</th>
<th>MetaMale (n=50)</th>
</tr>
</thead>
</table>

Expression (log2)

Samples (Predicted Gender)

probeset
- KDM5D
- RPS4Y1
- XIST
GPL96.97–GSE2138

MetaFemale (n=12)

Samples(Predicted Gender)

Expression (log2)

probeset

- KDM5D
- RPS4Y1
- XIST

MetaMale (n=7)
GPL96.97-GSE9676

<table>
<thead>
<tr>
<th>MetaFemale (n=30)</th>
<th>MetaMale (n=30)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>probeset</td>
</tr>
<tr>
<td></td>
<td>• KDM5D</td>
</tr>
<tr>
<td></td>
<td>○ RPS4Y1</td>
</tr>
<tr>
<td></td>
<td>● XIST</td>
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</tbody>
</table>

Expression (log2)

Samples (Predicted Gender)