

**SWAN Repository Dataset Documentation****Study:** App 046, "Genetic architecture in steroid hormone pathway," SWAN Repository**Datasets:** SWANRep004\_Genotypes**Cohort:** SWAN

Dataset contents:

**Alphabetic List of Variables and Attributes**

| #  | Variable   | Type | Len | Format | Informat | Label      |
|----|------------|------|-----|--------|----------|------------|
| 1  | ARCHID     | Char | 6   | \$6.   | \$6.     | ARCHID     |
| 16 | CYP162555  | Char | 2   | \$2.   | \$2.     | CYP162555  |
| 20 | CYP194096  | Char | 2   | \$2.   | \$2.     | CYP194096  |
| 25 | CYP194947  | Char | 2   | \$2.   | \$2.     | CYP194947  |
| 24 | CYP195759  | Char | 2   | \$2.   | \$2.     | CYP195759  |
| 23 | CYP196306  | Char | 2   | \$2.   | \$2.     | CYP196306  |
| 22 | CYP196405  | Char | 2   | \$2.   | \$2.     | CYP196405  |
| 21 | CYP198805  | Char | 2   | \$2.   | \$2.     | CYP198805  |
| 26 | CYP199292  | Char | 2   | \$2.   | \$2.     | CYP199292  |
| 19 | CYP1048943 | Char | 2   | \$2.   | \$2.     | CYP1048943 |
| 18 | CYP1056836 | Char | 2   | \$2.   | \$2.     | CYP1056836 |
| 17 | CYP1531163 | Char | 2   | \$2.   | \$2.     | CYP1531163 |
| 15 | CYP1800440 | Char | 2   | \$2.   | \$2.     | CYP1800440 |
| 12 | CYP2606345 | Char | 2   | \$2.   | \$2.     | CYP2606345 |
| 14 | CYP19R264  | Char | 2   | \$2.   | \$2.     | CYP19R264  |
| 13 | CYP1A1250  | Char | 2   | \$2.   | \$2.     | CYP1A1250  |
| 8  | ESR728524  | Char | 2   | \$2.   | \$2.     | ESR728524  |
| 11 | ESR1255998 | Char | 2   | \$2.   | \$2.     | ESR1255998 |
| 10 | ESR1256030 | Char | 2   | \$2.   | \$2.     | ESR1256030 |
| 2  | ESR1256065 | Char | 2   | \$2.   | \$2.     | ESR1256065 |
| 9  | ESR3798577 | Char | 2   | \$2.   | \$2.     | ESR3798577 |
| 7  | ESRA418    | Char | 2   | \$2.   | \$2.     | ESRA418    |
| 6  | ESRA464    | Char | 2   | \$2.   | \$2.     | ESRA464    |
| 4  | HSD592389  | Char | 2   | \$2.   | \$2.     | HSD592389  |
| 3  | HSD615942  | Char | 2   | \$2.   | \$2.     | HSD615942  |

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| # | Variable   | Type | Len | Format | Informat | Label      |
|---|------------|------|-----|--------|----------|------------|
| 5 | HSD17B2830 | Char | 2   | \$2.   | \$2.     | HSD17B2830 |

## Genotype Data – All SNPs

### Notes:

- SNP variable names with the suffix “\_a1” or “\_a2” indicate allele 1 and 2, respectively.
- No genotype data from the New Jersey SWAN site
- No duplicate ID numbers
- Genotypes from DNA extracted from immortalized cells

### CYP19, chromosome 15

#### CYP194096

rs number: rs2414096

chromosome position: 49245835

forward primer: GGAGAATGTCCAATCCAAGAACATCTA

reverse primer: CCCCATCTCTTAGCTTTATTTTGCCTAA

#### CYP194947

*\*\* interpret with caution, n = 1408\*\**

rs number: not available

chromosome position: 49261509

forward primer: GCTCTTGCTGGAGACTGAATCATAA

reverse primer: GGGCCTTATCAGGTGTCTAGCATAT

#### CYP195759

*\*\* interpret with caution, n = 1408\*\**

rs number: rs2445759

chromosome position: 49316891

forward primer: GGCTCACATGTCACTTAGAAGACT

reverse primer: GCCGGCCTCTAAGACTTTGG

#### CYP196306

rs number: rs936306

chromosome position: 49295654  
forward primer: CTTGATACCTGTGTTCTCTGGCATA  
reverse primer: CAAATTCAAGTGGGCTCTGTTCC

### CYP196405

rs number: rs2446405  
chromosome position: 49362856  
forward primer: CTCCTGACTTGCACCATTTTCATT  
reverse primer: GGAGGGTGAATCATTCCAAGTACAG

### CYP198805

rs number: rs1008805  
chromosome position: 49265647  
forward primer: CCTTACCGAATCACTACCCTTCAC  
reverse primer: TTGGAAGTAATAGCAGGCCTAGGTA

### CYP199292

rs number: rs749292  
chromosome position: 49274788  
forward primer: TCTGCCAGTCCTTCTTCAAACC  
reverse primer: GGCTTAGGGCCTGATAGAAATTGTG

### CYP19R264

rs number: not available  
chromosome position: 49224015  
forward primer: GAAAGATGCCATAGAAGTTCTGATAGCA  
reverse primer: TCAGTGGCAAAGTCCATACATTCTT

## **CYP1A1**, chromosome 15

### CYP1A1250

rs number: not available  
chromosome position: 72727461  
forward primer: GCACTGGTACCATTTTGTTCCTACT  
reverse primer: GCTGAGGTGGGAGAATCGT

### CYP1048943

rs number: rs1048943  
chromosome position: 72728801  
forward primer: CAGGATAGCCAGGAAGAGAAAGAC  
reverse primer: CATGGGCAAGCGGAAGTG

### CYP1531163

rs number: rs1531163  
chromosome position: 72828901  
forward primer: GGCACCAGGGAGGATGTAA  
reverse primer: TCCCTACCTTCTCCTTGAGCTT

### CYP2606345

rs number: rs2606345  
chromosome position: 72732994  
forward primer: TTCCAGCTCCCTGCAGTTG  
reverse primer: TGACCATCTTCTTTGTCCTTTGCT

### **CYP1B1**, chromosome 2

#### CYP162555

rs number: rs162555  
chromosome position: 38282051  
forward primer: TGAGGAGAGTGGAGGAGAATAAGC  
reverse primer: CATGTGCCTGATGACTGAATCCT

### CYP1056836

rs number: rs1056836  
chromosome position: 38272710  
forward primer: ACTCTGCTGGTCAGGTCCTT  
reverse primer: TTTGTCAACCAGTGGTCTGTGAAT

### CYP1800440

*\*\* interpret with caution, n = 1408\*\**

rs number: rs1800440  
chromosome position: 38272672  
forward primer: GCCAATGCACCGCCTTTT  
reverse primer: GGCCTAACCCGGAGAACTTT

### **ESR $\alpha$** , chromosome 6

#### ESRa418

rs number: not available  
chromosome position: 152194325  
forward primer: TCTGTGTTGTCCATCAGTTCATCTG  
reverse primer: CTCAGGGTCTCTGGGAAACAG

### ESRa464

rs number: not available  
chromosome position: 152194347  
forward primer: GTCCATCAGTTCATCTGAGTTCCAA  
reverse primer: AGAACCATTAGAGACCAATGCTCATC

### ESR728524

rs number: rs728524  
chromosome position: 152334435  
forward primer: GCCCTGGTGTTCATTTAGC  
reverse primer: GCCCTACTTCCCTCTTGTTCTCTA

### ESR3798577

rs number: rs3798577  
chromosome position: 152452119  
forward primer: GCCCTGGTGTTCATTTAGC  
reverse primer: GCCCTACTTCCCTCTTGTTCTCTA

## **ESR $\beta$ , chromosome 14**

### ESR1255998

rs number: rs1255998  
chromosome position: 62683926  
forward primer: ACACAGTTCCTAACCTGCATCTG  
reverse primer: GGTTTGTGCTTTGGCAGAGAAG

### ESR1256049

*\*\* interpret with caution, n = 1408\*\**

rs number: rs1256049  
chromosome position: 62714088  
forward primer: CCATCATTAACACCTCCATCCAACA  
reverse primer: TGTGGAGCTCAGCCTGTTC

### ESR1256030

rs number: rs1256030  
chromosome position: 62737210  
forward primer: TGCCGAAGACCAGTCATAGC  
reverse primer: TGGCCACTCCTTTCATTACACTTAG

**HSD17 $\beta$ 1, chromosome 17**  
**HSD17B2830**

rs number: rs2830  
chromosome position: 41071546  
forward primer: GACTGTAACCATGGTCATGTGAGTT  
reverse primer: TTGGGAGGTGGGAGATGATTGTATA

**HSD592389**

rs number: rs592389  
chromosome position: 41080608  
forward primer: GTCCATATTAAAGGCCAGACACAGT  
reverse primer: CACCTAACTCCTCCTGCAGATG

**HSD615942**

rs number: rs615942  
chromosome position: 41087965  
forward primer: TGCAGCCGGGCATGAG  
reverse primer: GCGTGATGAAATCAAGAACCTCAA