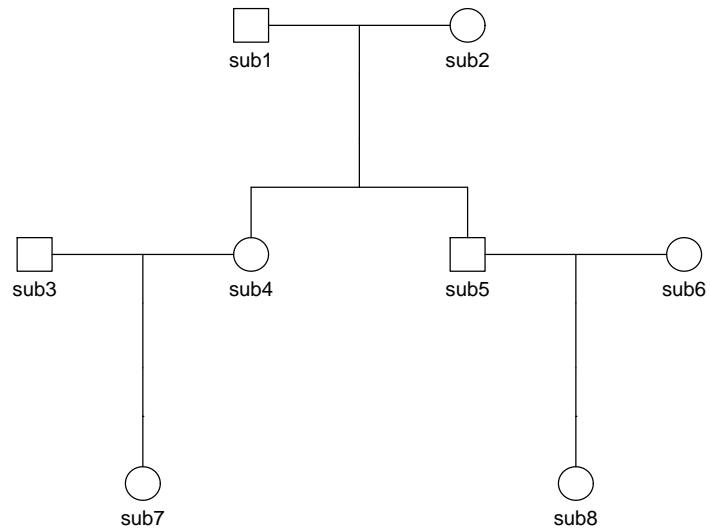```
> plot(test.ped)
```



Create a toy example with two first cousins.

```
> test.ped

Pedigree object with 8 subjects
Bit size= 4
```

Now apply the RVsharing method which calls the function defined in "rare_variant_sharing_v3.R."

```
> RVsharing(test.ped)

$pshare
[1] 0.04347826

$iancestors
[1] "sub1"

$desfounders
$desfounders$sub7
$desfounders$sub7$<NA>
```

```
[1] 1

$desfounders$sub7$sub2
[1] 2

$desfounders$sub7$sub1
[1] 2


$desfounders$sub8
$desfounders$sub8$sub6
[1] 1

$desfounders$sub8$sub2
[1] 2

$desfounders$sub8$sub1
[1] 2



$id
[1] "sub1" "sub2" "sub3" "sub4" "sub5" "sub6" "sub7" "sub8"

$dad.id
[1] NA      NA      NA      "sub1" "sub1" NA      "sub3" "sub5"

$mom.id
[1] NA      NA      NA      "sub2" "sub2" NA      "sub4" "sub6"
```