

SEQUENCE LISTING

<110> The University of Adelaide

<120> COMPOSITIONS AND METHODS FOR MATURATION OF OOCYTES IN VITRO

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<150> AU2016905096

<151> 2016-12-09

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<170> PatentIn version 3.5

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<212> DNA

<213> Homo sapiens

<400> 1

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<213> Homo sapiens

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Val Asn Ala Ile Gln Glu Ala Arg Arg Leu Leu Asn Leu Ser Arg Asp
35 40 45

Thr Ala Ala Glu Met Asn Glu Thr Val Glu Val Ile Ser Glu Met Phe
50 55 60

Asp Leu Gln Glu Pro Thr Cys Leu Gln Thr Arg Leu Glu Leu Tyr Lys
65 70 75 80

Gln Gly Leu Arg Gly Ser Leu Thr Lys Leu Lys Gly Pro Leu Thr Met
85 90 95

Met Ala Ser His Tyr Lys Gln His Cys Pro Pro Thr Pro Glu Thr Ser
100 105 110

Cys Ala Thr Gln Ile Ile Thr Phe Glu Ser Phe Lys Glu Asn Leu Lys
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130 135 140

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<213> Bos taurus

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<400> 4

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35 40 45

Thr Asp Ala Val Met Asn Asp Thr Glu Val Val Ser Glu Lys Phe Asp
50 55 60

Ser Gln Glu Pro Thr Cys Leu Gln Thr Arg Leu Lys Leu Tyr Lys Asn
65 70 75 80

Gly Leu Gln Gly Ser Leu Thr Ser Leu Met Gly Ser Leu Thr Met Met
85 90 95

Ala Thr His Tyr Glu Lys His Cys Pro Pro Thr Pro Glu Thr Ser Cys
100 105 110

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Phe Leu Phe Ile Ile Pro Phe Asp Cys Trp Glu Pro Ala Gln Lys
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<212>	PRT
<213>	Sus scrofa

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20 25 30

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35 40 45

Thr Ala Ala Val Met Asn Glu Thr Val Asp Val Val Cys Glu Met Phe
50 55 60

Asp Pro Gln Glu Pro Thr Cys Val Gln Thr Arg Leu Asn Leu Tyr Lys
65 70 75 80

Gln Gly Leu Arg Gly Ser Leu Thr Arg Leu Lys Ser Pro Leu Thr Leu
85 90 95

Leu Ala Lys His Tyr Glu Gln His Cys Pro Leu Thr Glu Glu Thr Ser
100 105 110

Cys Glu Thr Gln Ser Ile Thr Phe Lys Ser Phe Lys Asp Ser Leu Asn
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Lys Phe Leu Phe Thr Ile Pro Phe Asp Cys Trp Gly Pro Val Lys Lys
130 135 140

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<213> Equus caballus
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35 40 45

Thr Ala Ala Ile Met Asn Glu Thr Val Glu Val Val Ser Glu Thr Phe
50 55 60

Asp Ala Glu Glu Leu Thr Cys Leu Gln Thr Arg Leu Lys Leu Tyr Lys
65 70 75 80

Gln Gly Leu Arg Gly Ser Leu Ile Lys Leu Glu Gly Pro Leu Thr Met
85 90 95

Met Ala Ser His Tyr Lys Gln His Cys Pro Pro Thr Leu Glu Thr Ser
100 105 110

Cys Ala Thr Gln Met Ile Thr Phe Lys Ser Phe Lys Lys Asn Leu Lys
115 120 125

Asp Phe Leu Phe Glu Ile Pro Phe Asp Cys Trp Asn Gln Pro Arg Ser
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Lys Ala Gly Leu Pro Ala Arg Ser
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<210> 9
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 <213> Canis lupus

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 <212> PRT
 <213> Canis lupus

<400> 10

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 35 40 45

Val Thr Ala Val Met Asn Lys Ala Val Lys Val Val Ser Glu Val Phe
 50 55 60

Asp Pro Glu Gly Pro Thr Cys Leu Glu Thr Arg Leu Gln Leu Tyr Lys
 65 70 75 80

Glu Gly Leu Gln Gly Ser Leu Thr Ser Leu Lys Asn Pro Leu Thr Met

85

90

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Met Ala Asn His Tyr Lys Gln His Cys Pro Pro Thr Pro Glu Ser Pro
 100 105 110

Cys Ala Thr Gln Asn Ile Asn Phe Lys Ser Phe Lys Glu Asn Leu Lys
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 <212> PRT
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 20 25 30

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 35 40 45

Ile Thr Ala Val Met Asn Glu Ala Val Glu Val Val Ser Glu Met Phe
 50 55 60

Asp Pro Glu Glu Pro Lys Cys Met Gln Thr His Leu Lys Leu Tyr Glu
 65 70 75 80

Gln Gly Leu Arg Gly Ser Leu Ile Ser Leu Lys Glu Pro Leu Arg Met
85 90 95

Met Ala Asn His Tyr Lys Gln His Cys Pro Leu Thr Pro Glu Thr Pro
100 105 110

Cys Glu Thr Gln Thr Ile Thr Phe Lys Asn Phe Lys Glu Asn Leu Lys
115 120 125

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<210> 13
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<212> DNA
<213> Mus musculus

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<212> PRT
<213> Mus musculus

<400> 14

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35 40 45

Thr Leu Asn Glu Glu Val Glu Val Val Ser Asn Glu Phe Ser Phe Lys
50 55 60

Lys Leu Thr Cys Val Gln Thr Arg Leu Lys Ile Phe Glu Gln Gly Leu
65 70 75 80

Arg Gly Asn Phe Thr Lys Leu Lys Gly Ala Leu Asn Met Thr Ala Ser
85 90 95

Tyr Tyr Gln Thr Tyr Cys Pro Pro Thr Pro Glu Thr Asp Cys Glu Thr
100 105 110

Gln Val Thr Thr Tyr Ala Asp Phe Ile Asp Ser Leu Lys Thr Phe Leu
115 120 125

Thr Asp Ile Pro Phe Glu Cys Lys Lys Pro Gly Gln Lys
130 135 140

<210> 15
<211> 495
<212> DNA
<213> Ovis aries

<400> 15
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<212> PRT

<213> Ovis aries

<400> 16

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35 40 45

Thr Ala Ala Val Met Asp Glu Thr Val Glu Val Val Ser Glu Met Phe
50 55 60

Asp Ser Gln Glu Pro Thr Cys Leu Gln Thr Arg Leu Glu Leu Tyr Lys
65 70 75 80

Gln Gly Leu Arg Gly Ser Leu Thr Ser Leu Thr Gly Ser Leu Thr Met
85 90 95

Met Ala Ser His Tyr Lys Lys His Cys Pro Pro Thr Gln Glu Thr Ser
100 105 110

Cys Glu Thr Gln Ile Ile Thr Phe Lys Ser Phe Lys Glu Asn Leu Lys
115 120 125

Asp Phe Leu Phe Ile Ile Pro Phe Asp Cys Trp Glu Pro Val Gln Lys
130 135 140