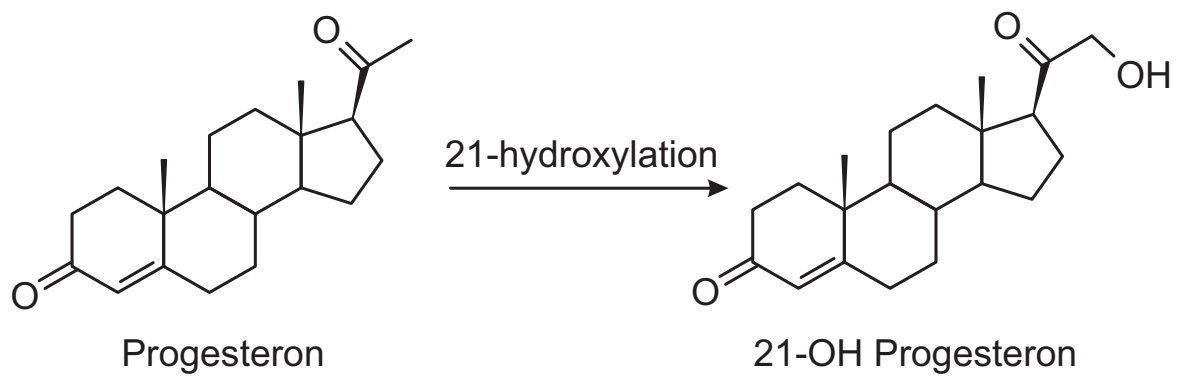
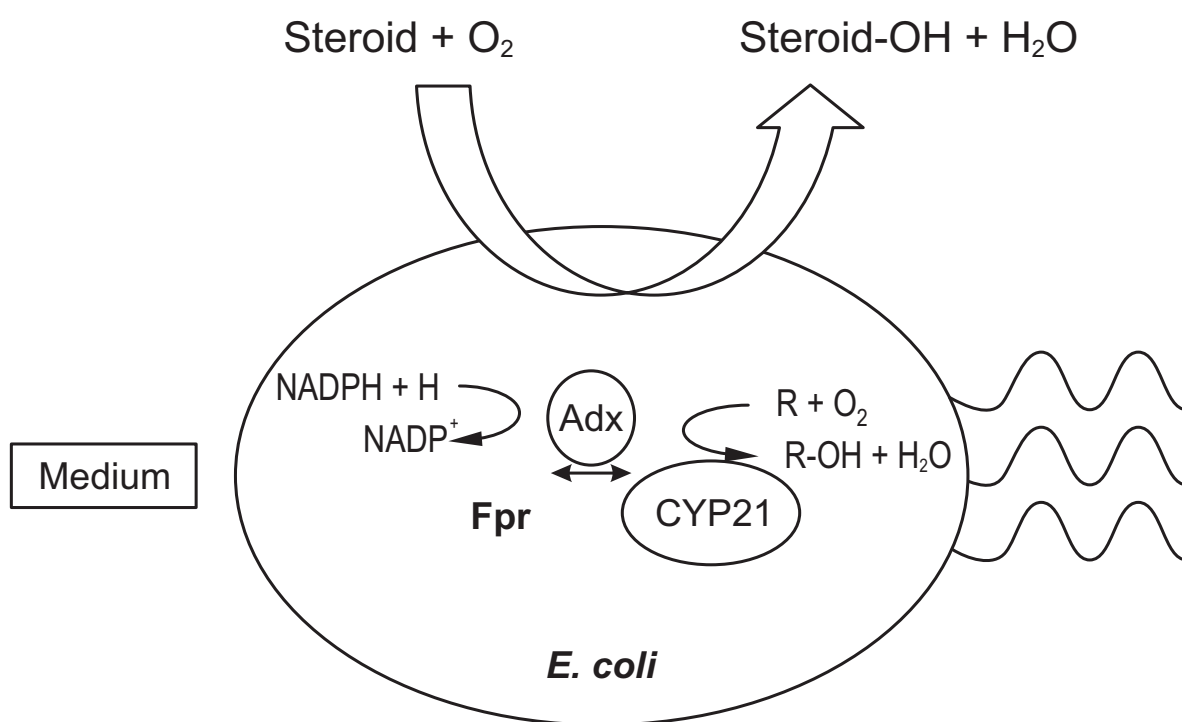
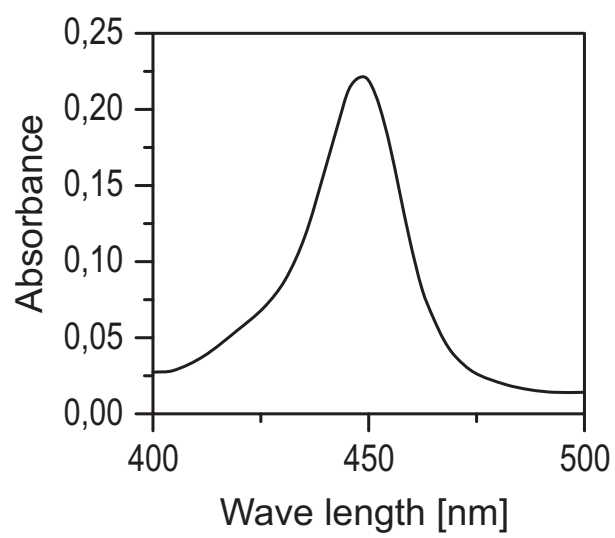
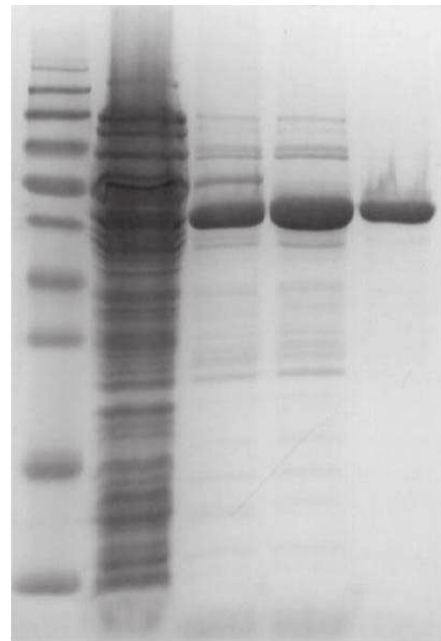


**Figure 1**

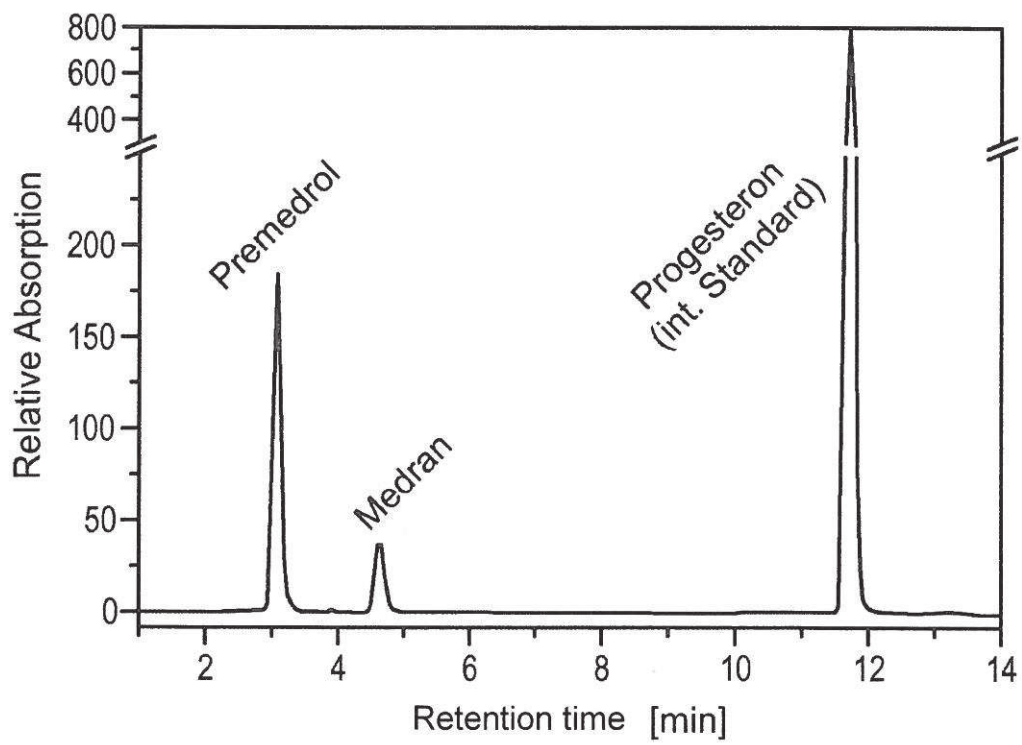
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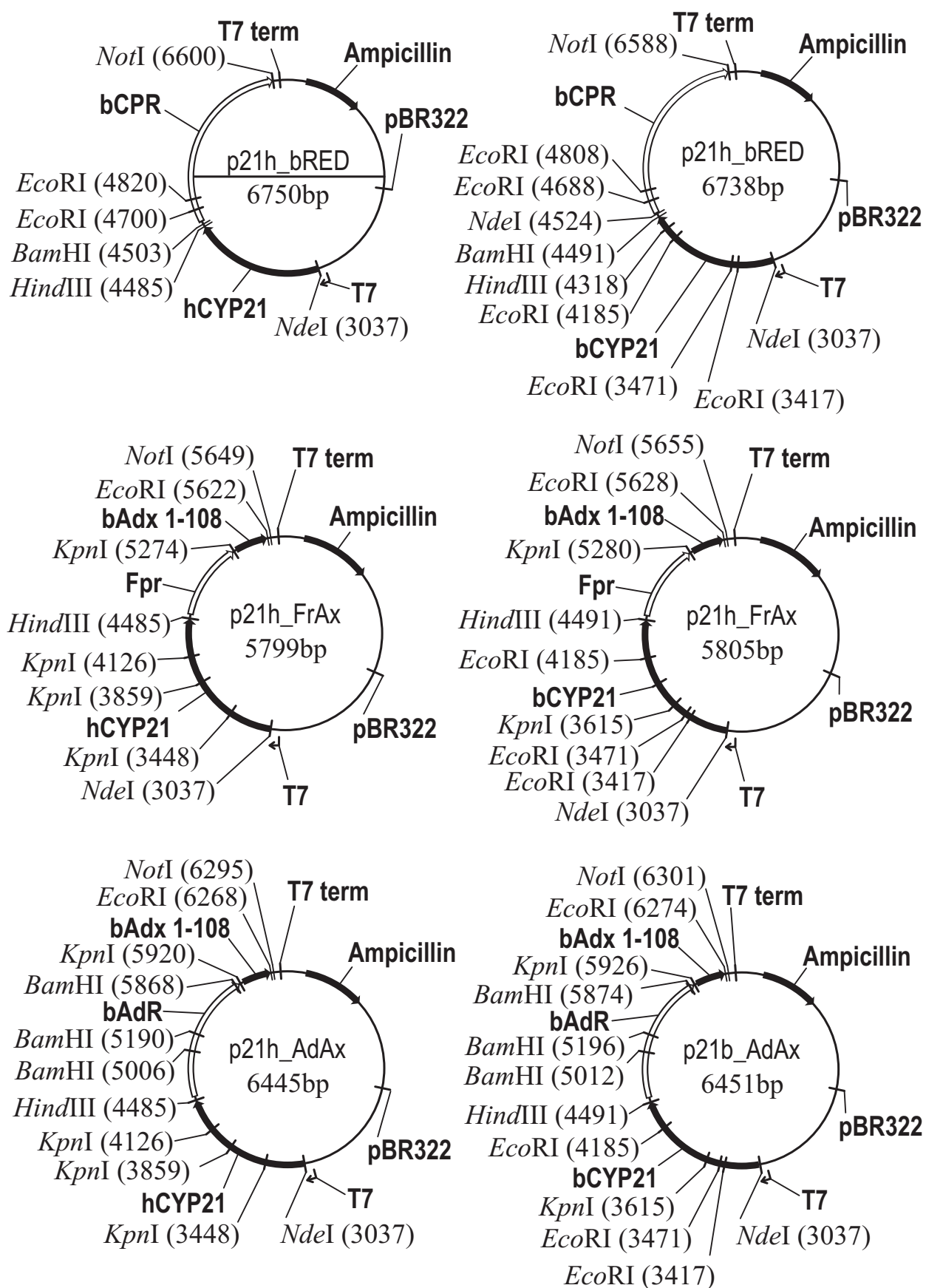
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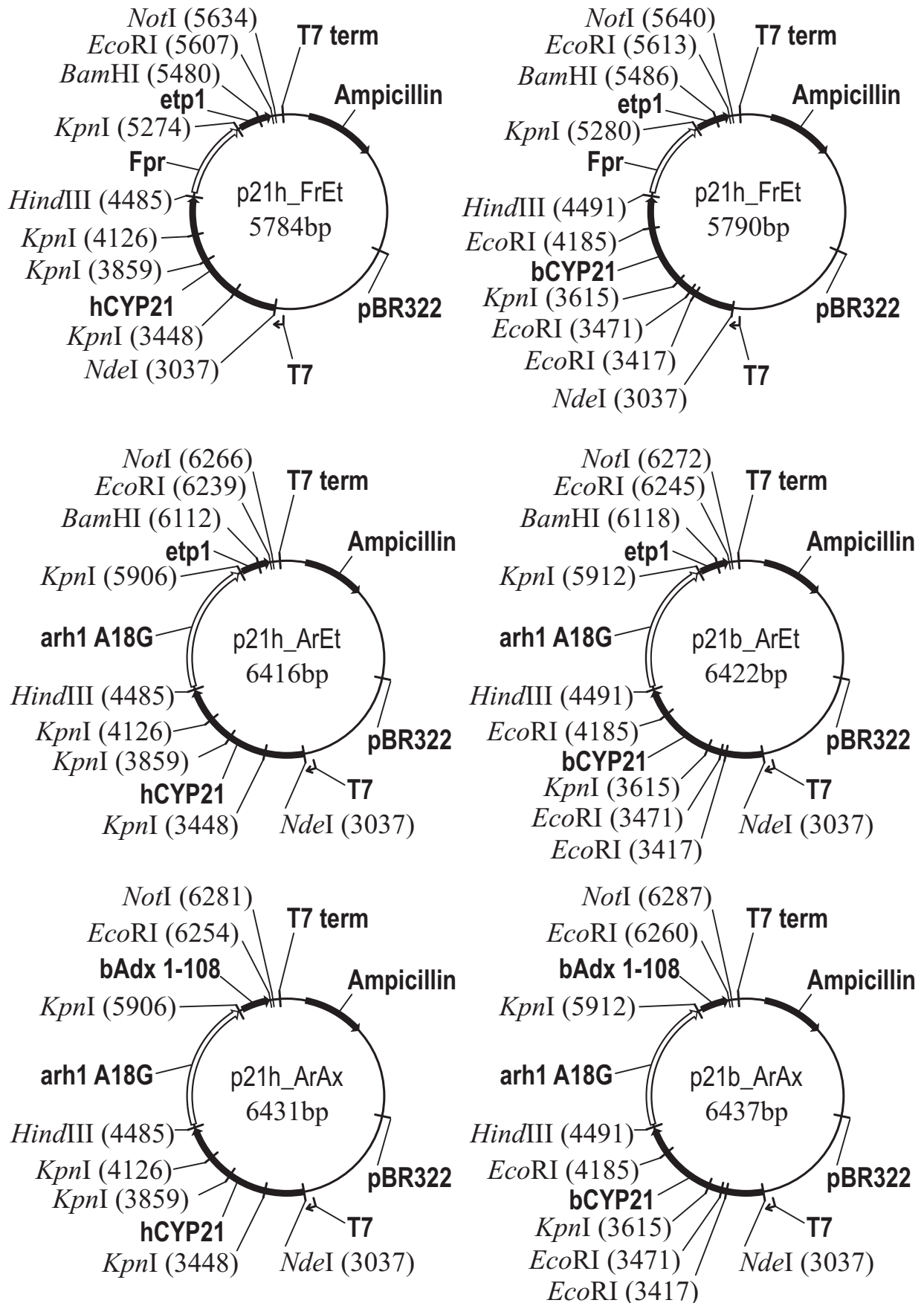
Lysat IMAC DEAE SP

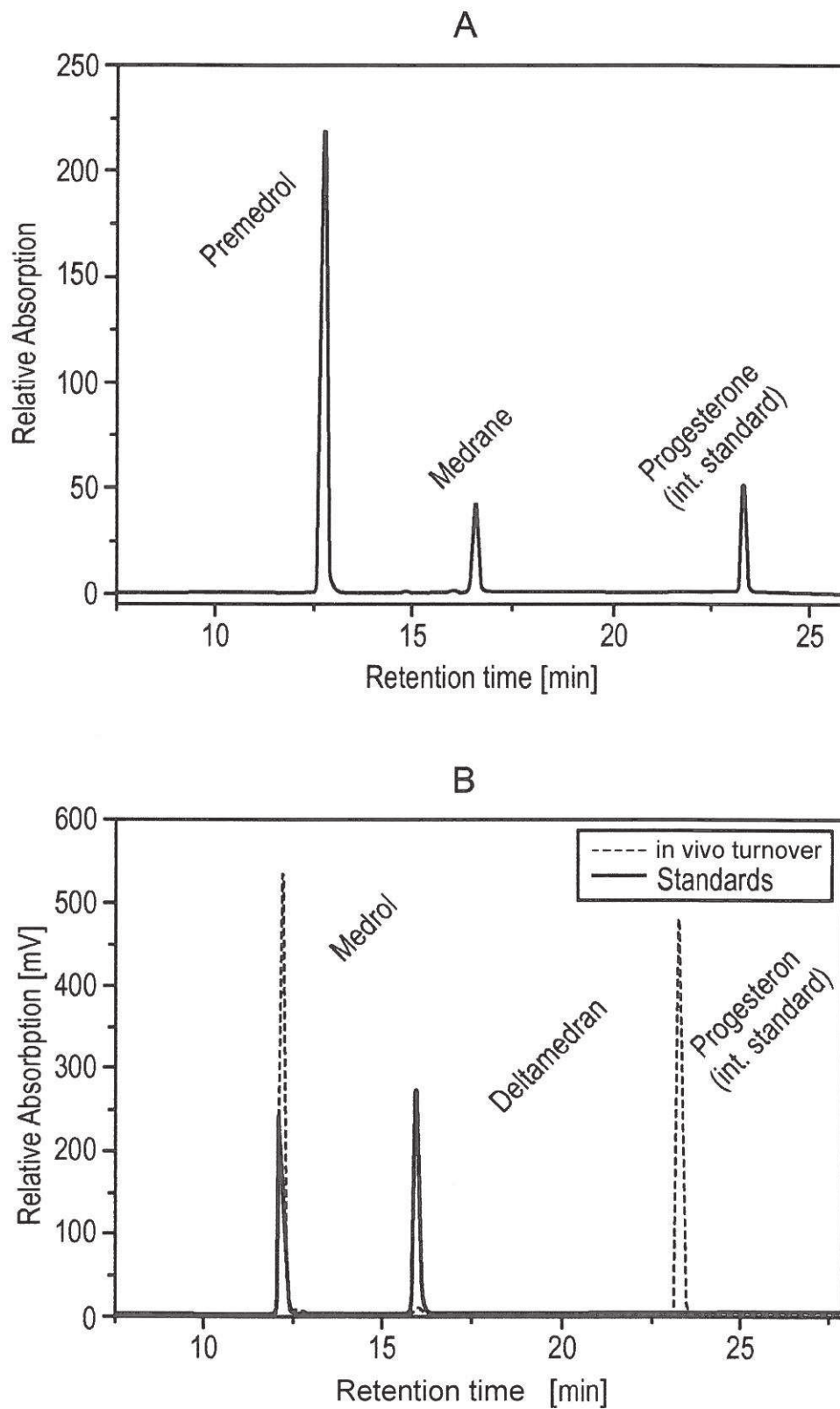


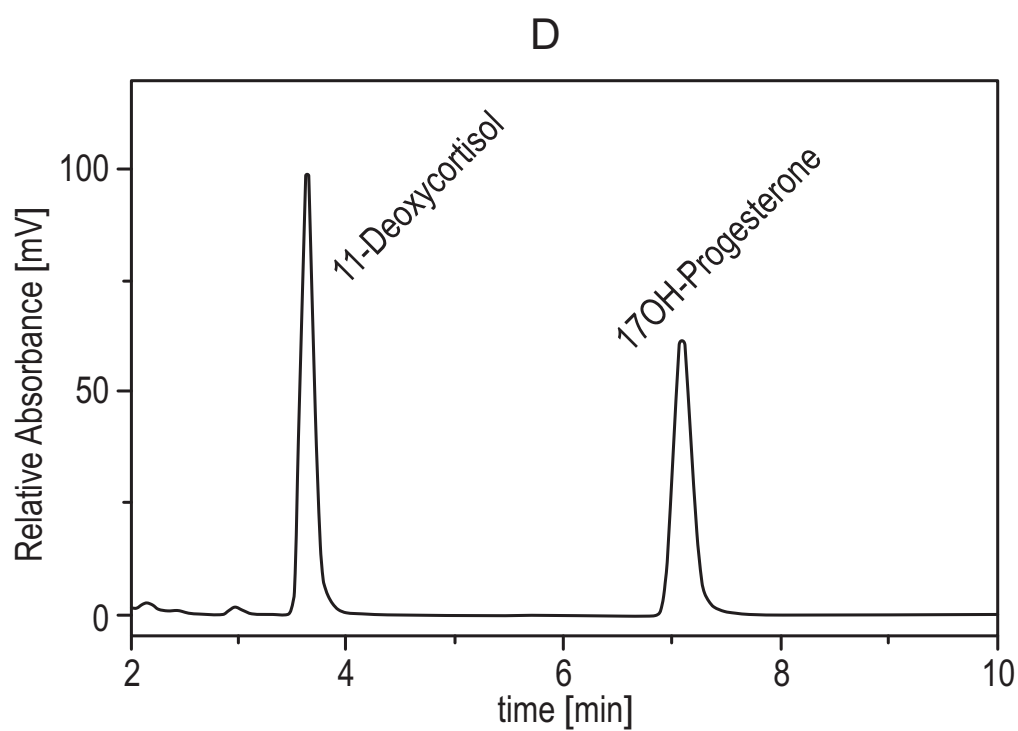
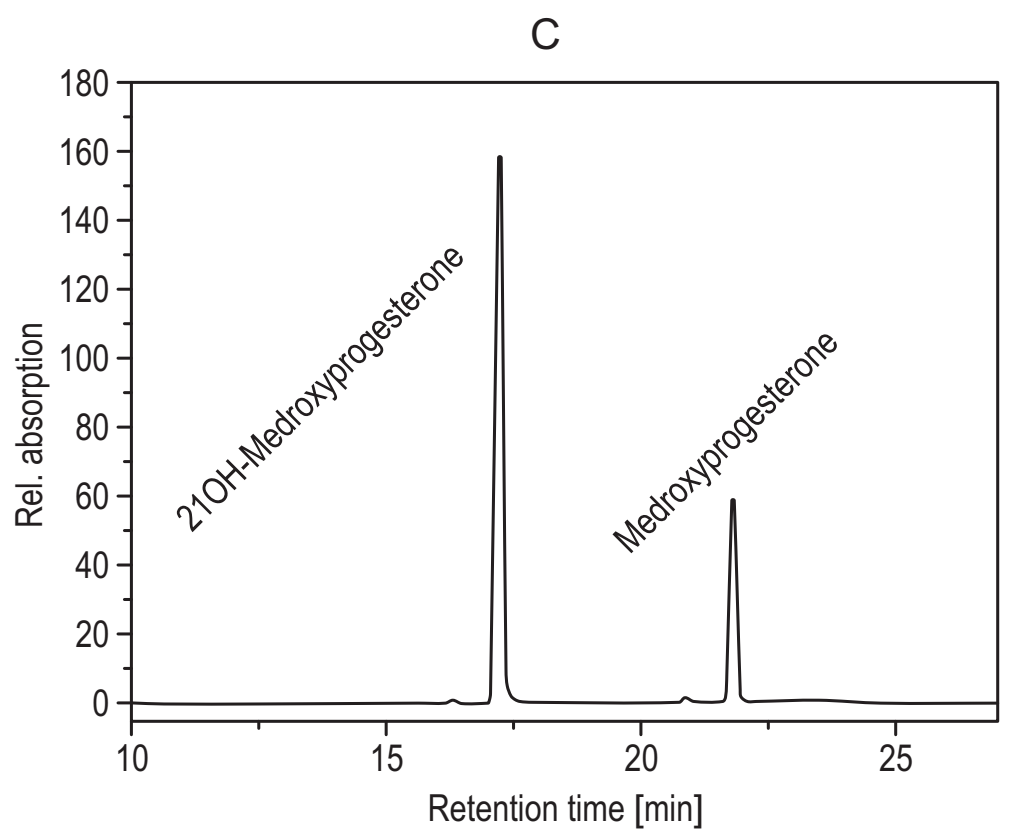
**Figure 4**

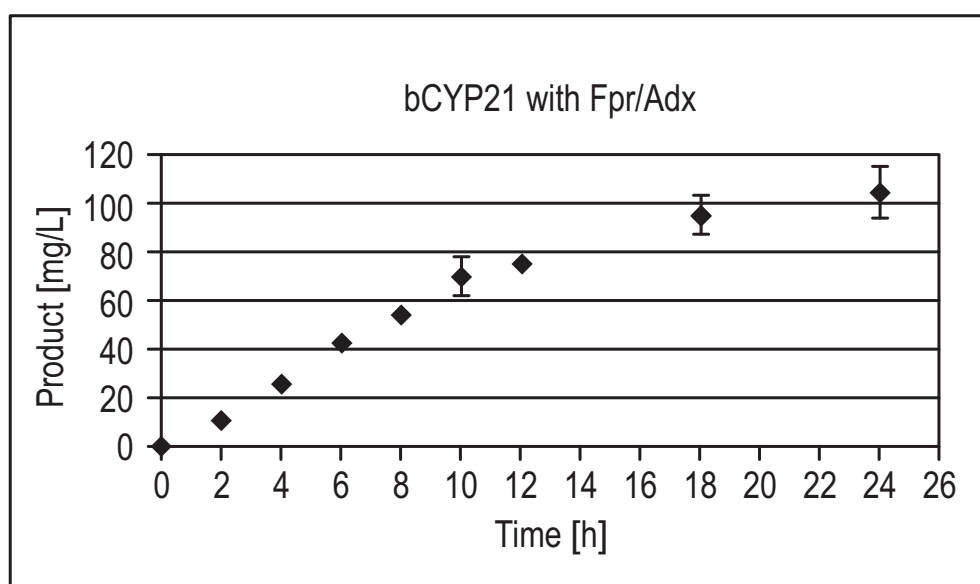


**Figure 5**

**Figure 5 (continued)**

**Figure 6**

**Figure 6 (continued)**

**Figure 7**

## Figure 8

A

Wildtype human amino acid sequence:

MLLLGLLLLLPLLAGARLLWNWWKLRSLHLPPLAPGFLHLLQPDLPYLLGLTQKFGPIYRLHL  
GLQDVVVLNSKRTIEEAMVKKWADFAGRPEPLTYKLVSRYNPDLSLGDYSLLWKAHKKLTR  
SALLLGIRDSMEPVVEQLTQEFCEMRAPGTPVAIEEEFSLLTCSIICYLTFGDKIKDDNLM  
PAYYKCIQEVLTWWSHSIQIVDVIPFLRFFPNPGLRRLKQAIEKRDHIVEMQLRQHKESLVA  
GQWRDMMDYMLQGVAQPSMEEGSGQLLEGHVHMAAVDLLIGGTETTANTLSWAVVFLH  
HPEIQRLQEELDHELGPASSSRVPYKDRARLPLLNATIAEVLRLRPVPLALPHRTTRPS  
SISGYDIPEGTVIIPNLQGAHLDETVERPHEFWPDRFLEPGKNSRALAFGCGARVCLGEPL  
ARLELFVVLTRLLQAFTLLPSGDALPSLQPLPHCSVILKMQPFQVRLQPRGMGAHSPGQSQ

Modified human amino acid sequence:

**MAKKTSSKGK**PPLAPGFLHLLQPDLPYLLGLTQKFGPIYRLHLGLQDVVVLNSKRTIEEAMV  
KKWADFAGRPEPLTYKLVSRYNPDLSLGDYSLLWKAHKKLTRSALLLGIRDSMEPVVEQLT  
QEFCEMRAPGTPVAIEEEFSLLTCSIICYLTFGDKIKDDNLMPAYYKCIQEVLT WSHWSI  
QIVDVIPFLRFFPNPGLRRLKQAIEKRDHIVEMQLRQHKESLVAGQWRDMMDYMLQGVAQP  
SMEEGSGQLLEGHVHMAAVDLLIGGTETTANTLSWAVVFLHHPEIQRLQEELDHELGP  
ASSSRVPYKDRARLPLLNATIAEVLRLRPVPLALPHRTTRPSSISGYDIPEGTVIIPNLQGAH  
LDETVERPHEFWPDRFLEPGKNSRALAFGCGARVCLGEPLARLELFVVLTRLLQAFTLLP  
SGDALPSLQPLPHCSVILKMQPFQVRLQPRGMGAHSPGQSQ**HHHHHH**

## Figure 8 (continued)

### B

Wildtype bovine amino acid sequence:

MVLAGLLLLLTLLAGAHLLWGRWKLRLNLHL PPLVPGFLHLLQPNLPIHLLSLTQKLGPVYRLR  
LGLQEVLVNSKRTIEEAMIRKWVDFAGRPQIPSYKLVSQRCQDISLGDYSLLWKAHKKLTR  
SALLLGTRSSMEPWVDQLTQEFCEMRVQAGAPVTIQKEFSLLTCSIICYLTFGNKEDTLVH  
AFHDCVQDLMKTWDHWSIQILDMVPFLRFFPNPGLWRLKQAIENRDHMOVEKQLTRHKESM  
VAGQWRDMTDYMLQGVGRQRVEEGPGQLLEGHVHMSVVDLFIGGTETTASTLSWAVAFLL  
LHHPEIQRRLQEELDRELGP GASC SRVTYKDRARLPLL NATIAEVLRLRPVPLALPHRTTRP  
SSIFGYDIPEGMVVIPNLQGAHLDET VWEQ PHEFRPDRFLEPGANPSALAFGCGARVCLGE  
SLARLELFVLLRLLQAFTLLPPPVGALPSLQPDYCGVNLKVQPFQVRLQPRGVEAGAWES  
SASAQ

Modified bovine amino acid sequence:

**MAKKTSSKGK**PPLVPGFLHLLQPNLPIHLLSLTQKLGPVYRLRLGLQEVLVNSKRTIEEAMI  
RKWVDFAGRPQIPSYKLVSQRCQDISLGDYSLLWKAHKKLTRSALLLGTRSSMEPWVDQLT  
QEFCEMRVQAGAPVTIQKEFSLLTCSIICYLTFGNKEDTLV HAFHDCVQDLMKTWDHWSIQ  
ILDMVPFLRFFPNPGLWRLKQAIENRDHMOVEKQLTRHKESMVAGQWRDMTDYMLQGVGR  
QRVEEGPGQLLEGHVHMSVVDLFIGGTETTASTLSWAVAFLLHHPEIQRRLQEELDRELGP  
GASC SRVTYKDRARLPLL NATIAEVLRLRPVPLALPHRTTRPSSIFGYDIPEGMVVIPNLQGA  
HLDET VWEQ PHEFRPDRFLEPGANPSALAFGCGARVCLGESLARLELFVLLRLLQAFTLL  
PPPVGALPSLQPDYCGVNLKVQPFQVRLQPRGVEAGAWESASAQ**HHHHHH**