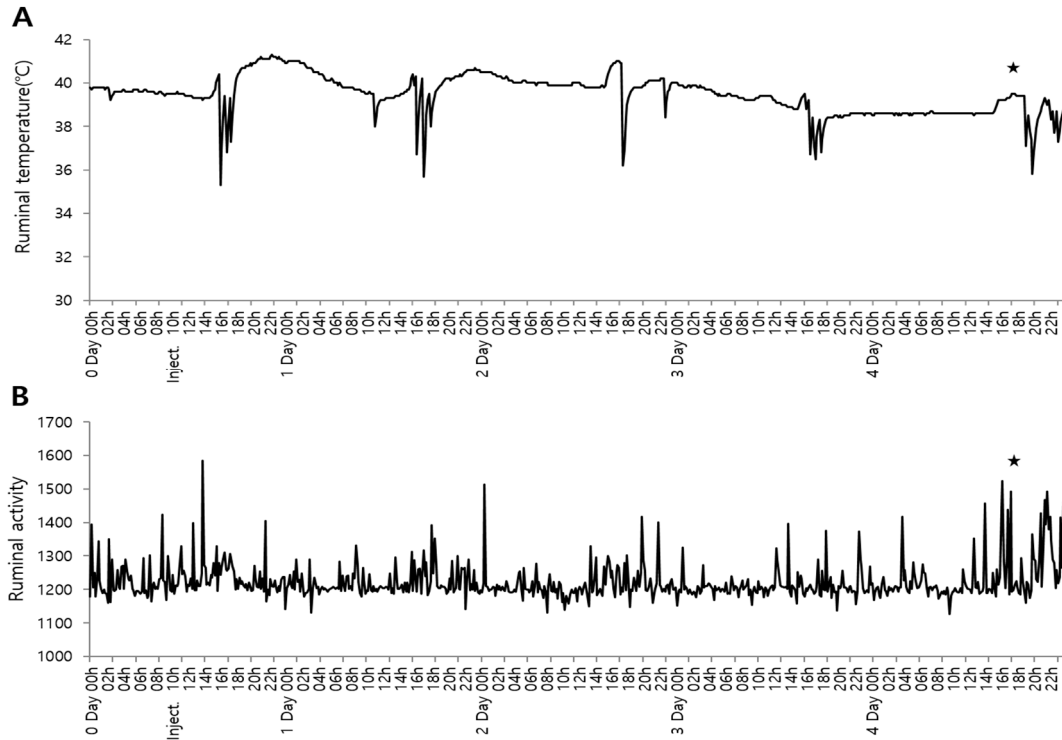
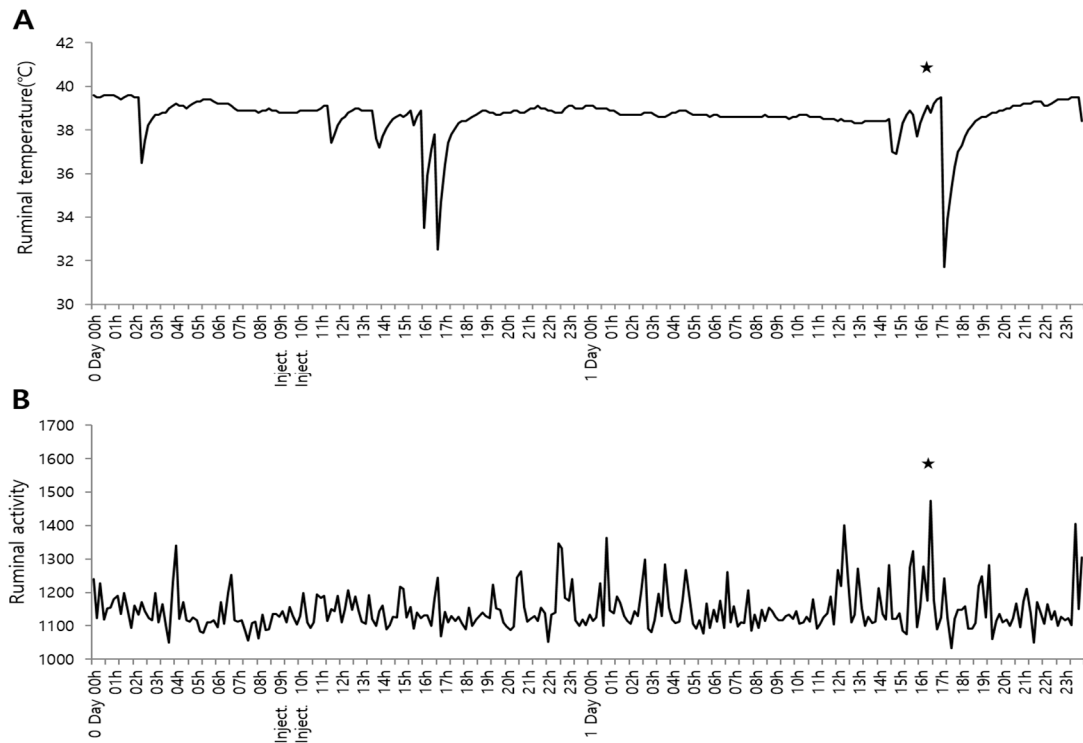


### [Supplementary Figures]

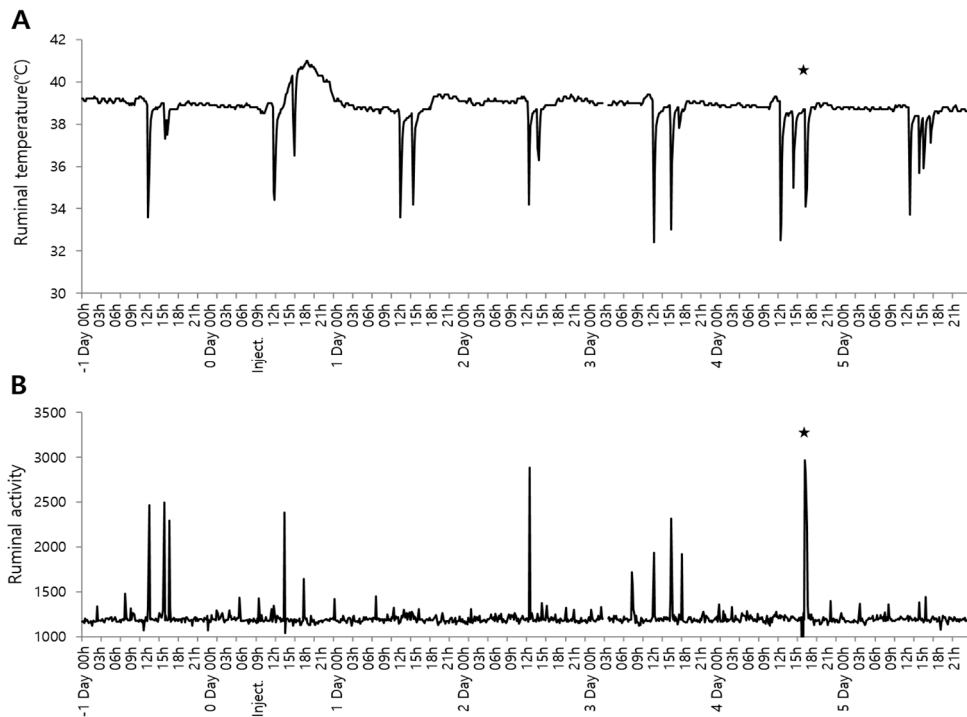
A total of 5 adverse events (4 abortion and 1 premature birth) occurred after FMD vaccination. The changes of ruminoreticular temperature and body activity for 5 adverse events are shown in Supplementary figures S1 to S5.



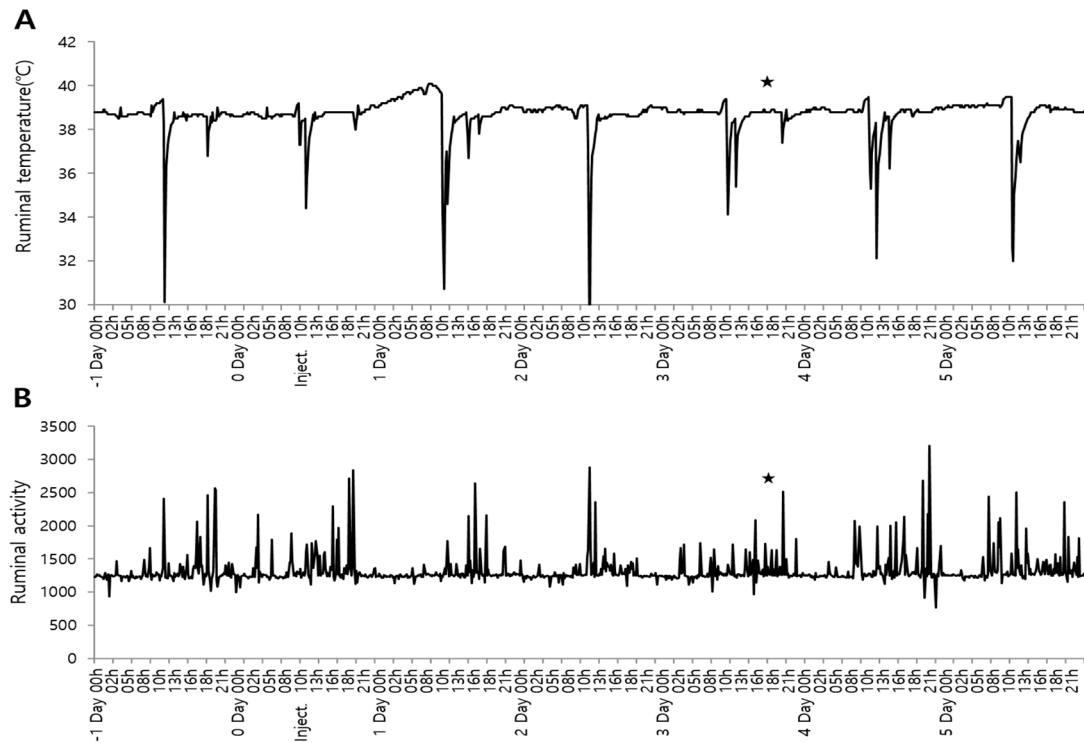
**Figure S1.** Ruminoreticular temperature and activity in the case of premature birth (#13-81, 274th day of pregnancy). (A) The black line represents ruminoreticular temperature at each 1-h interval. (B) The black line represents body activity at each 1-h interval. “Inject” represents the time of FMD vaccination. The symbol (★) indicates the time of premature birth.



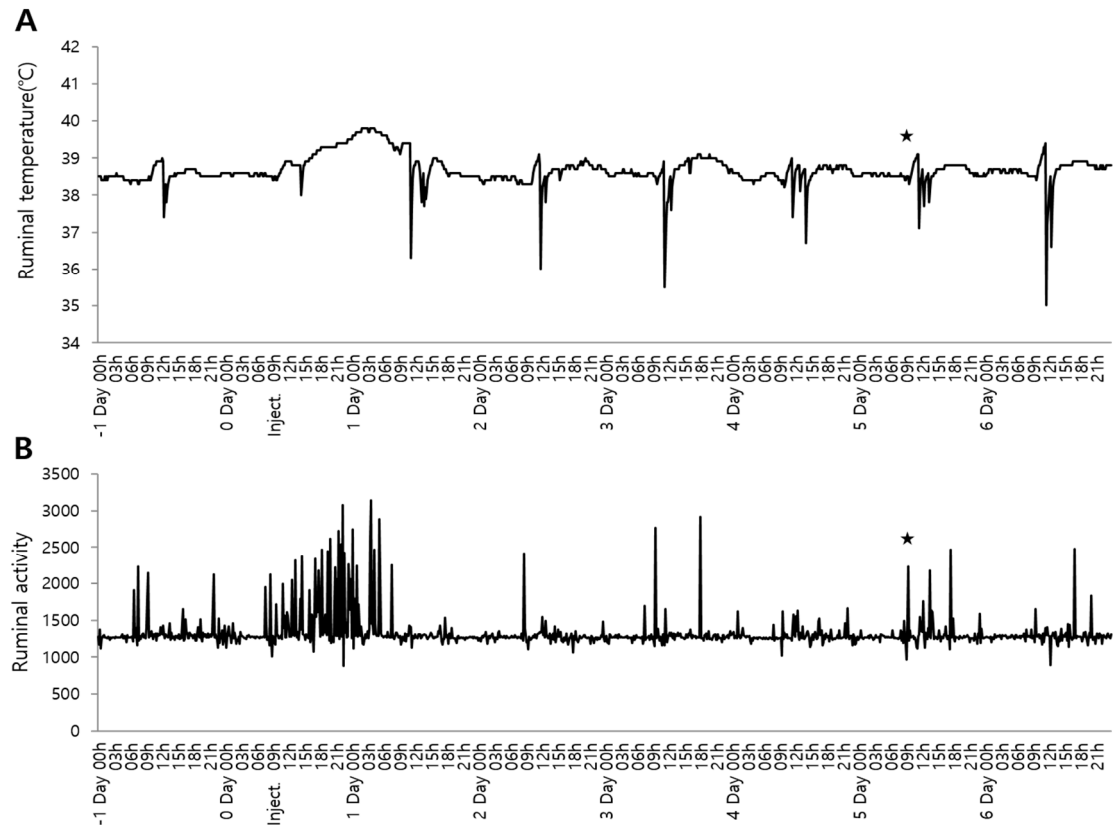
**Figure S2.** Ruminoreticular temperature and activity in a case of abortion (#433, 267th day of pregnancy). (A) The black line represents ruminoreticular temperature at each 1-h interval. (B) The black line represents body activity at each 1-h interval. “Inject” represents the time of FMD vaccination. The symbol (★) indicates the time of abortion.



**Figure S3.** Ruminoreticular temperature and activity in a case of abortion (#17-25, 210th day of pregnancy). (A) The black line represents ruminoreticular temperature at each 1-h interval. (B) The black line represents body activity at each 1-h interval. “Inject” represents the time of FMD vaccination. The symbol (★) indicates the time of abortion.



**Figure S4.** Ruminoreticular temperature and activity in a case of abortion (#425, 68th day of pregnancy). (A) The black line represents ruminoreticular temperature at each 1-h interval. (B) The black line represents body activity at each 1-h interval. “Inject” represents the time of FMD vaccination. The symbol (★) indicates the time of abortion.



**Figure S5.** Ruminoreticular temperature and activity in a case of abortion (#398, 47th day of pregnancy). (A) The black line represents ruminoreticular

temperature at each 1-h interval. (B) The black line represents body activity at each 1-h interval. "Inject" represents the time of FMD vaccination. The symbol (★) indicates the time of abortion.