

Supporting Information for:

Determining electron spin-transfer mechanisms in paramagnetic Ba₂YMO₆ (M = Mo,

Re, Ru) double perovskites by ⁸⁹Y and ¹³⁷Ba MAS NMR spectroscopy

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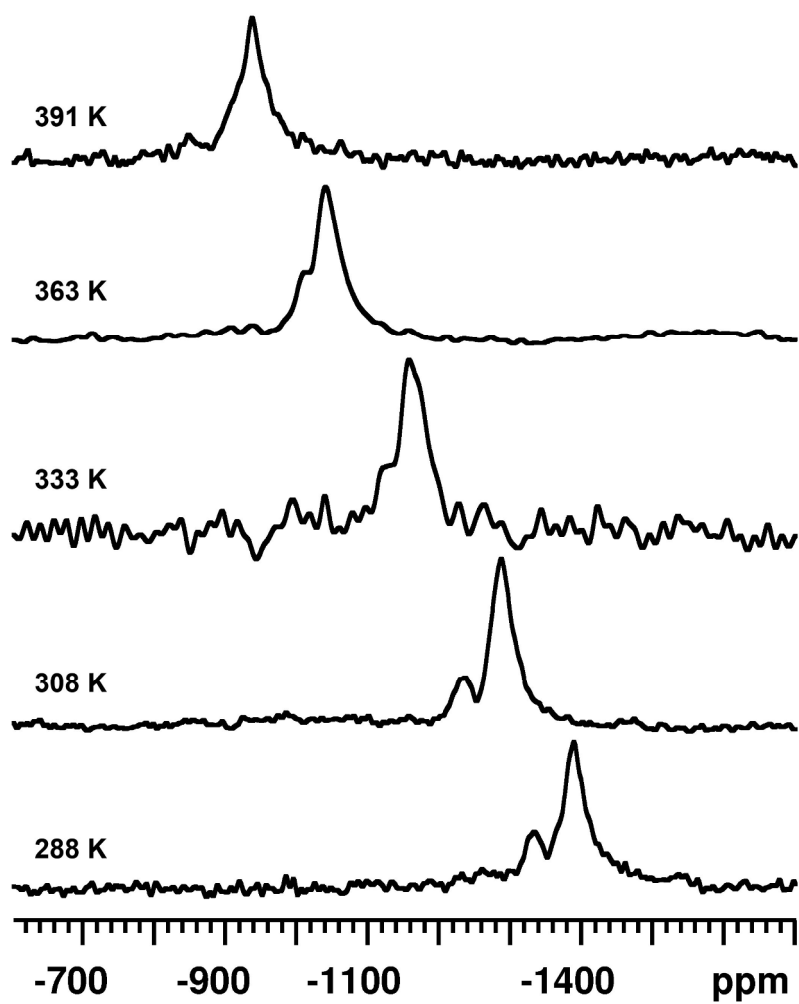


Figure S1. ^{89}Y MAS NMR of Ba_2YMoO_6 double perovskite ranging in temperature from 288 K to 391 K.

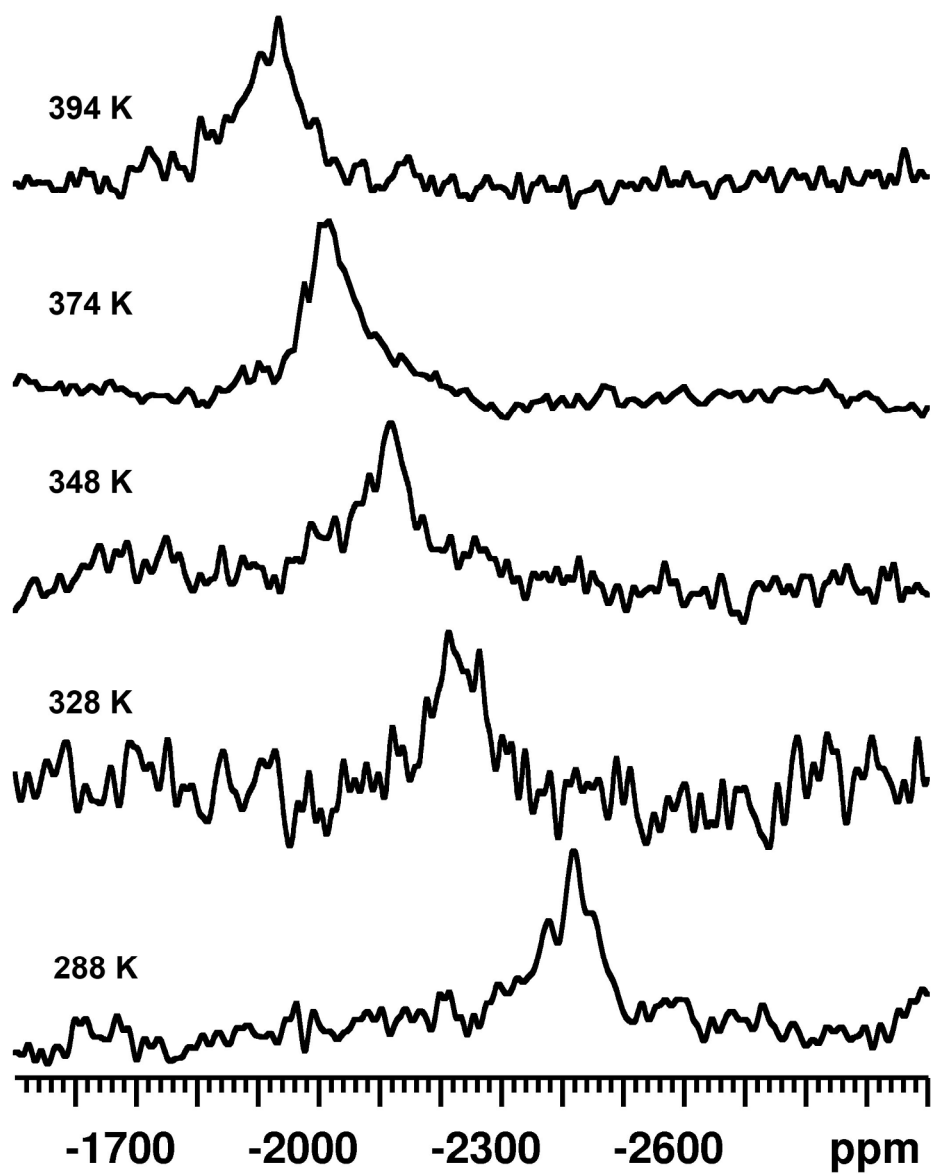


Figure S2. ^{89}Y MAS NMR of Ba_2YReO_6 double perovskite ranging in temperature from 288 K to 394 K.

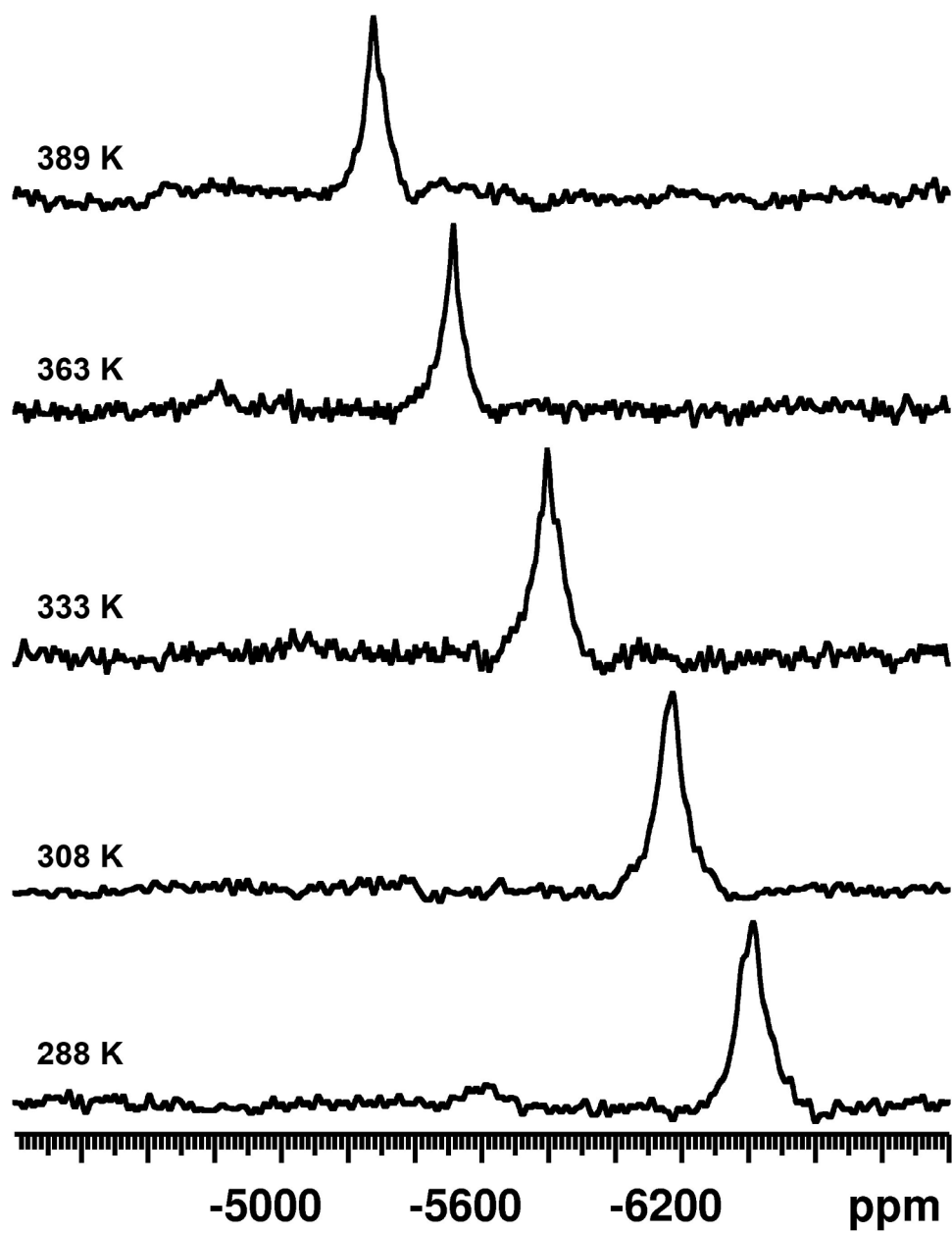


Figure S3. ^{89}Y MAS NMR of Ba_2YRuO_6 double perovskite ranging in temperature from 288 K to 389 K.

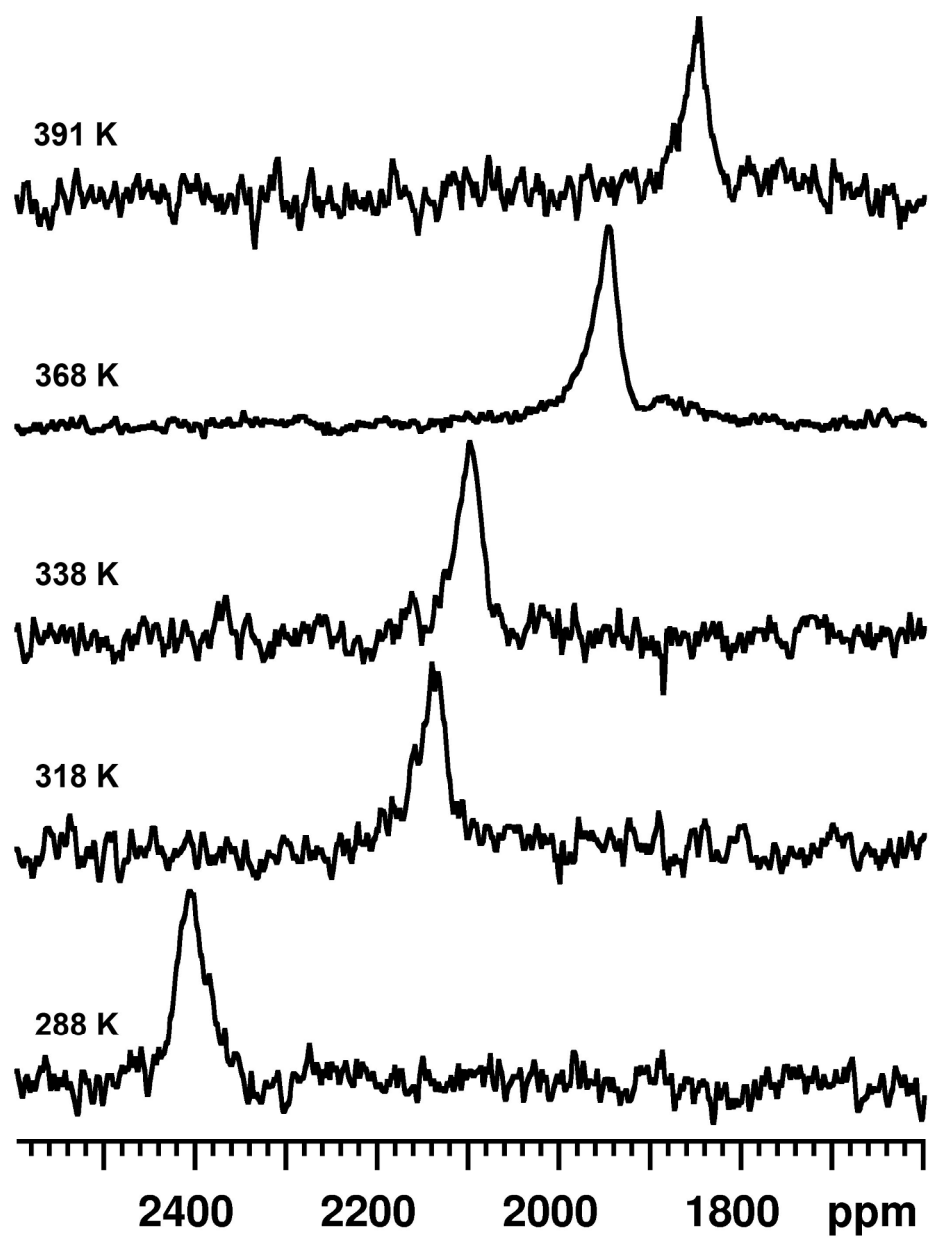


Figure S4. ^{137}Ba MAS NMR of Ba_2YMoO_6 double perovskite ranging in temperature from 288 K to 391 K.

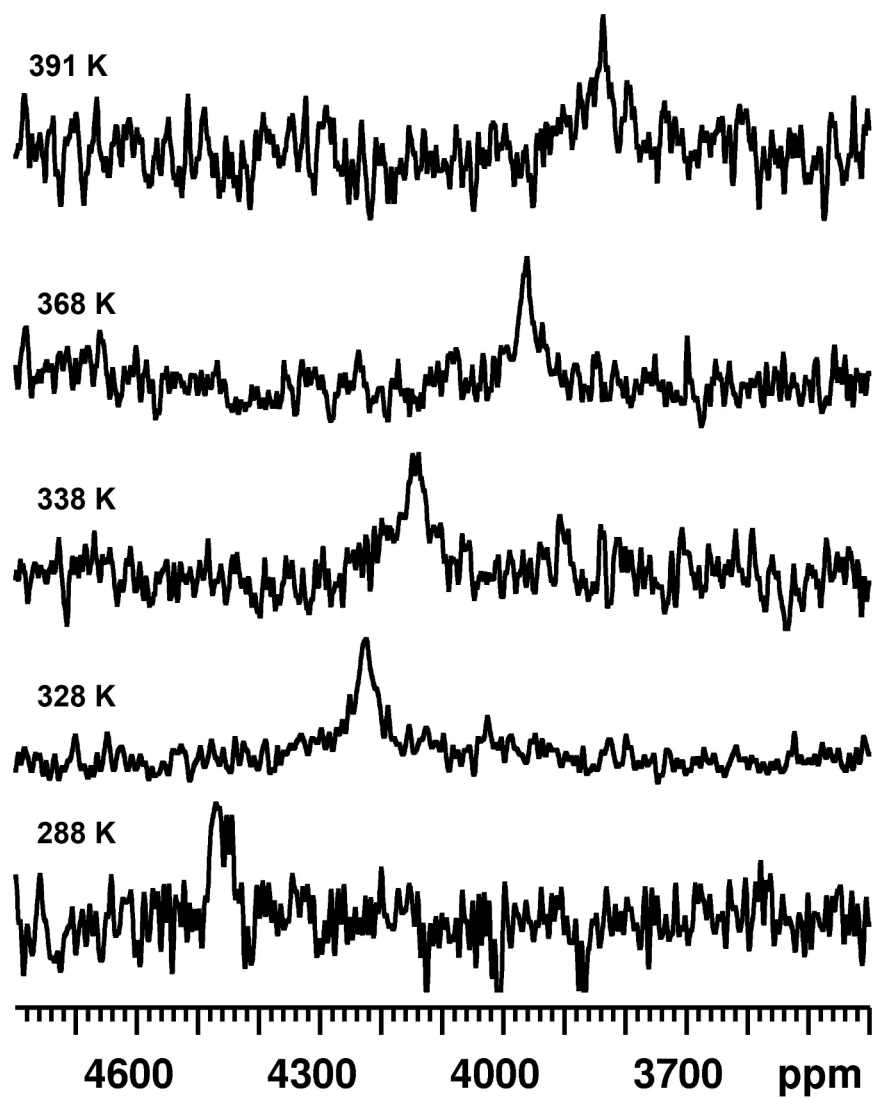


Figure S5. ^{137}Ba MAS NMR of Ba_2YReO_6 double perovskite ranging in temperature from 288 K to 391 K.

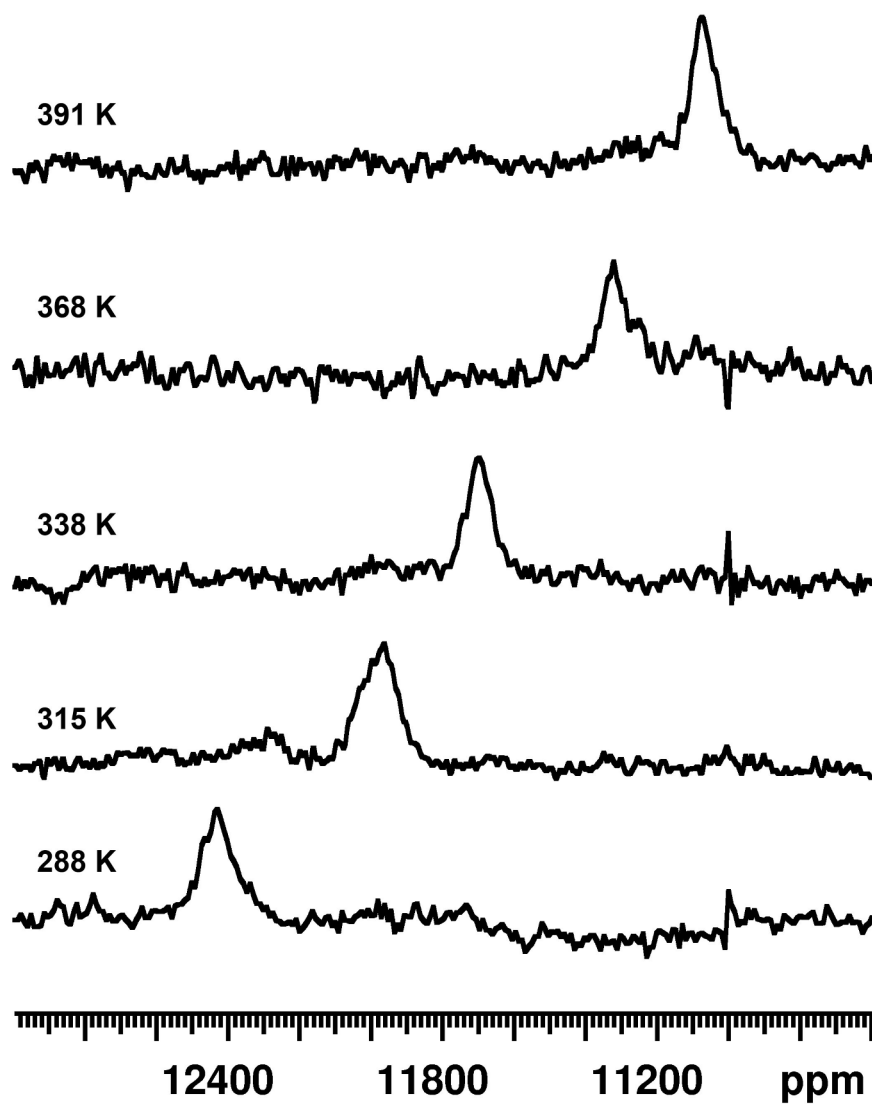


Figure S6. ^{137}Ba MAS NMR of Ba_2YRuO_6 double perovskite ranging in temperature from 288 K to 391 K. (The signal at 11100 ppm is an artifact caused by the transmitter.)