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Table S1. Anisotropic displacement parameters [Å^2] for 2.
The anisotropic displacement factor exponent takes the form:
$-2\pi^2$ [$h^2 a^{*2} U_{11}$ + ... + 2 h k a^* b^* U_{12}]

	U11	U22	U33	U23	U13	U12
Pt	.0604(6)	.0509(7)	.0476(5)	.0007(5)	.0197(4)	-.0014(5)
Re(1)	.0568(6)	.0489(7)	.0479(5)	.0023(5)	.0156(4)	-.0021(6)
Re(2)	.0583(6)	.0492(7)	.0539(5)	-.0061(5)	.0213(5)	-.0082(5)
Re(3)	.0600(7)	.0644(8)	.0479(5)	-.0026(6)	.0230(5)	.0021(6)
C	.16(3)	.06(2)	.06(2)	.01(2)	.05(2)	.04(2)
O	.19(3)	.06(2)	.12(2)	.01(2)	.01(2)	.00(2)
C(11)	.07(2)	.06(2)	.08(2)	.00(2)	.02(2)	-.02(2)
O(11)	.057(11)	.09(2)	.11(2)	.010(13)	.015(12)	-.002(12)
C(12)	.10(2)	.05(2)	.07(2)	.02(2)	.06(2)	.01(2)
O(12)	.13(2)	.043(13)	.12(2)	-.023(13)	.045(14)	-.024(14)
C(13)	.07(2)	.06(2)	.06(2)	-.01(2)	.028(14)	-.05(2)
O(13)	.13(2)	.11(2)	.058(11)	.016(12)	.039(12)	-.01(2)
C(14)	.09(2)	.05(2)	.10(2)	.03(2)	.01(2)	.01(2)
O(14)	.08(2)	.14(3)	.16(2)	.00(2)	.03(2)	.00(2)
C(21)	.06(2)	.05(2)	.10(2)	-.03(2)	.03(2)	-.02(2)
O(21)	.068(14)	.10(2)	.14(2)	-.02(2)	.017(14)	.014(13)
C(22)	.10(2)	.06(2)	.09(2)	-.02(2)	.05(2)	-.02(2)
O(22)	.20(3)	.042(14)	.16(2)	.01(2)	.07(2)	-.04(2)
C(23)	.09(2)	.04(2)	.033(12)	-.014(12)	.011(13)	.003(14)
O(23)	.081(13)	.12(2)	.062(11)	-.034(12)	.006(10)	.005(13)
C(24)	.08(2)	.08(2)	.09(2)	-.02(2)	.06(2)	-.02(2)
O(24)	.084(14)	.13(2)	.17(2)	-.07(2)	.11(2)	-.05(2)
C(31)	.09(2)	.07(2)	.046(14)	.00(2)	.03(2)	-.01(2)
O(31)	.12(2)	.08(2)	.073(12)	-.019(12)	.030(12)	.018(14)
C(32)	.08(2)	.13(3)	.08(2)	.05(2)	.01(2)	-.01(2)
O(32)	.10(2)	.12(2)	.10(2)	.02(2)	.025(14)	.03(2)
C(33)	.06(2)	.09(2)	.042(14)	.00(2)	.009(13)	-.02(2)
O(33)	.087(14)	.13(2)	.078(12)	-.012(13)	.056(11)	-.041(14)
C(34)	.06(2)	.11(3)	.06(2)	.02(2)	.000(14)	.00(2)
O(34)	.11(2)	.14(2)	.078(14)	.03(2)	-.002(13)	.04(2)
C(35)	.10(3)	.08(3)	.09(2)	-.01(2)	.05(2)	-.02(2)
O(35)	.17(3)	.10(2)	.20(3)	-.02(2)	.13(2)	-.03(2)

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Table S2. Final atomic coordinates for 2.

	x	y	z
Pt	.12127(8)	.25407(8)	.33722(5)
Re(1)	.15715(8)	.11964(8)	.46318(5)
Re(2)	.19026(8)	.35633(8)	.46857(5)
Re(3)	.06085(8)	.14995(9)	.20170(5)
C	.091(3)	.375(3)	.2923(14)
O	.060(2)	.450(2)	.2655(13)
C(11)	.007(2)	.152(2)	.4509(14)
O(11)	-.078(2)	.167(2)	.4439(11)
C(12)	.117(2)	-.017(2)	.4231(14)
O(12)	.096(2)	-.092(2)	.3995(12)
C(13)	.175(2)	.076(2)	.563(2)
O(13)	.190(2)	.045(2)	.6199(10)
C(14)	.307(3)	.088(2)	.471(2)
O(14)	.392(2)	.068(2)	.476(2)
C(21)	.037(2)	.380(2)	.458(2)
O(21)	-.048(2)	.401(2)	.4518(13)
C(22)	.201(2)	.492(3)	.430(2)
O(22)	.208(2)	.570(2)	.4083(14)
C(23)	.236(2)	.410(2)	.5650(12)
O(23)	.2539(14)	.438(2)	.6228(9)
C(24)	.336(2)	.325(2)	.4621(14)
O(24)	.417(2)	.307(2)	.4577(12)
C(31)	.012(2)	.062(2)	.1188(13)
O(31)	-.020(2)	.009(2)	.0725(10)
C(32)	.172(3)	.054(3)	.250(2)
O(32)	.232(2)	-.003(2)	.2818(12)
C(33)	-.040(2)	.101(2)	.2562(12)
O(33)	-.095(2)	.073(2)	.2849(10)
C(34)	-.040(2)	.261(3)	.1633(14)
O(34)	-.096(2)	.324(2)	.1386(11)
C(35)	.168(3)	.231(3)	.171(2)
O(35)	.228(2)	.273(2)	.150(2)
N	.603(2)	.242(2)	.2981(10)
CT1	.656(2)	.334(2)	.281(2)
CT2	.773(2)	.322(3)	.280(2)
CT3	.601(2)	.163(3)	.240(2)
CT4	.549(3)	.191(3)	.164(2)
CT5	.659(2)	.196(2)	.368(2)
CT6	.673(3)	.270(3)	.433(2)
CT7	.492(2)	.280(2)	.296(2)
CT8	.421(2)	.193(3)	.308(2)
HY1	.1659	.1276	.3693
HY2	.1963	.2356	.5165
HT1A	.653(2)	.386(2)	.317(2)
HT1B	.616(2)	.359(2)	.234(2)
HT2A	.799(2)	.386(3)	.268(2)
HT2B	.777(2)	.273(3)	.244(2)
HT2C	.815(2)	.301(3)	.327(2)
HT3A	.673(2)	.145(3)	.243(2)
HT3B	.567(2)	.102(3)	.252(2)

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HT4A	.551(3)	.135(3)	.133(2)
HT4B	.584(3)	.249(3)	.151(2)
HT4C	.477(3)	.208(3)	.160(2)
HT5A	.727(2)	.173(2)	.366(2)
HT5B	.620(2)	.137(2)	.377(2)
HT6A	.710(3)	.235(3)	.477(2)
HT6B	.606(3)	.292(3)	.436(2)
HT6C	.714(3)	.327(3)	.426(2)
HT7A	.497(2)	.331(2)	.333(2)
HT7B	.460(2)	.311(2)	.249(2)
HT8A	.352(2)	.220(3)	.306(2)
HT8B	.451(2)	.163(3)	.355(2)
HT8C	.414(2)	.143(3)	.271(2)

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Table S3. Bond lengths [Å] and angles [deg] for 2.

Pt-C	1.81(3)
Pt-Re(2)	2.7778(14)
Pt-Re(3)	2.849(2)
Pt-Re(1)	2.924(2)
Pt-HY1	1.8187(14)
Re(1)-C(13)	1.95(3)
Re(1)-C(12)	1.97(3)
Re(1)-C(14)	1.99(4)
Re(1)-C(11)	1.98(3)
Re(1)-Re(2)	3.149(2)
Re(1)-HY1	1.8348(10)
Re(1)-HY2	1.8326(13)
Re(2)-C(23)	1.92(2)
Re(2)-C(22)	1.95(3)
Re(2)-C(21)	2.01(3)
Re(2)-C(24)	2.01(3)
Re(2)-HY2	1.8279(14)
Re(3)-C(31)	1.93(3)
Re(3)-C(34)	1.99(3)
Re(3)-C(32)	1.98(4)
Re(3)-C(35)	2.00(3)
Re(3)-C(33)	2.01(3)
C-O	1.14(3)
C(11)-O(11)	1.11(3)
C(12)-O(12)	1.10(3)
C(13)-O(13)	1.13(3)
C(14)-O(14)	1.13(3)
C(21)-O(21)	1.12(3)
C(22)-O(22)	1.13(3)
C(23)-O(23)	1.13(2)
C(24)-O(24)	1.12(3)
C(31)-O(31)	1.12(3)
C(32)-O(32)	1.13(3)
C(33)-O(33)	1.10(3)
C(34)-O(34)	1.12(3)
C(35)-O(35)	1.12(3)
N-CT1	1.48(3)
N-CT5	1.47(3)
N-CT3	1.52(3)
N-CT7	1.55(3)
CT1-CT2	1.56(4)
CT3-CT4	1.47(4)
CT5-CT6	1.54(4)
CT7-CT8	1.54(4)
C-Pt-Re(2)	88.6(9)
C-Pt-Re(3)	91.3(9)
Re(2)-Pt-Re(3)	177.14(5)
C-Pt-Re(1)	153.2(8)
Re(2)-Pt-Re(1)	66.98(5)
Re(3)-Pt-Re(1)	113.60(6)
C-Pt-HY1	168.8(9)
Re(2)-Pt-HY1	98.24(5)
Re(3)-Pt-HY1	81.38(5)

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Re(1)-Pt-HY1	37.02(3)
C(13)-Re(1)-C(12)	93.5(10)
C(13)-Re(1)-C(14)	91.1(12)
C(12)-Re(1)-C(14)	89.6(12)
C(13)-Re(1)-C(11)	91.4(11)
C(12)-Re(1)-C(11)	89.9(11)
C(14)-Re(1)-C(11)	177.5(12)
C(13)-Re(1)-Pt	159.4(8)
C(12)-Re(1)-Pt	105.4(7)
C(14)-Re(1)-Pt	96.9(9)
C(11)-Re(1)-Pt	80.8(8)
C(13)-Re(1)-Re(2)	106.4(8)
C(12)-Re(1)-Re(2)	159.7(7)
C(14)-Re(1)-Re(2)	94.3(9)
C(11)-Re(1)-Re(2)	85.2(8)
Pt-Re(1)-Re(2)	54.28(4)
C(13)-Re(1)-HY1	162.9(9)
C(12)-Re(1)-HY1	75.6(7)
C(14)-Re(1)-HY1	75.9(9)
C(11)-Re(1)-HY1	101.6(8)
Pt-Re(1)-HY1	36.64(3)
Re(2)-Re(1)-HY1	85.98(4)
C(13)-Re(1)-HY2	76.1(7)
C(12)-Re(1)-HY2	169.6(7)
C(14)-Re(1)-HY2	90.4(9)
C(11)-Re(1)-HY2	90.5(8)
Pt-Re(1)-HY2	84.89(5)
Re(2)-Re(1)-HY2	30.61(3)
HY1-Re(1)-HY2	114.43(6)
C(23)-Re(2)-C(22)	89.2(11)
C(23)-Re(2)-C(21)	94.8(11)
C(22)-Re(2)-C(21)	89.9(12)
C(23)-Re(2)-C(24)	94.5(11)
C(22)-Re(2)-C(24)	89.7(13)
C(21)-Re(2)-C(24)	170.7(11)
C(23)-Re(2)-Pt	172.6(7)
C(22)-Re(2)-Pt	98.2(8)
C(21)-Re(2)-Pt	85.0(8)
C(24)-Re(2)-Pt	85.8(7)
C(23)-Re(2)-Re(1)	113.9(7)
C(22)-Re(2)-Re(1)	156.7(8)
C(21)-Re(2)-Re(1)	91.3(8)
C(24)-Re(2)-Re(1)	85.4(9)
Pt-Re(2)-Re(1)	58.73(4)
C(23)-Re(2)-HY2	83.2(7)
C(22)-Re(2)-HY2	171.2(9)
C(21)-Re(2)-HY2	95.1(9)
C(24)-Re(2)-HY2	86.5(9)
Pt-Re(2)-HY2	89.43(5)
Re(1)-Re(2)-HY2	30.70(3)
C(31)-Re(3)-C(34)	95.6(12)
C(31)-Re(3)-C(32)	92.4(13)
C(34)-Re(3)-C(32)	171.7(13)
C(31)-Re(3)-C(35)	100.7(11)
C(34)-Re(3)-C(35)	87.4(13)
C(32)-Re(3)-C(35)	89.1(13)
C(31)-Re(3)-C(33)	96.3(10)
C(34)-Re(3)-C(33)	87.6(12)

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C(32)-Re(3)-C(33)	93.6(12)
C(35)-Re(3)-C(33)	162.6(11)
C(31)-Re(3)-Pt	170.4(7)
C(34)-Re(3)-Pt	88.5(8)
C(32)-Re(3)-Pt	83.8(10)
C(35)-Re(3)-Pt	88.1(9)
C(33)-Re(3)-Pt	75.2(7)
O-C-Pt	171(4)
O(11)-C(11)-Re(1)	178(3)
O(12)-C(12)-Re(1)	179(3)
O(13)-C(13)-Re(1)	174(3)
O(14)-C(14)-Re(1)	178(3)
O(21)-C(21)-Re(2)	175(3)
O(22)-C(22)-Re(2)	179(3)
O(23)-C(23)-Re(2)	173(3)
O(24)-C(24)-Re(2)	179(3)
O(31)-C(31)-Re(3)	177(2)
O(32)-C(32)-Re(3)	175(3)
O(33)-C(33)-Re(3)	179(2)
O(34)-C(34)-Re(3)	177(3)
O(35)-C(35)-Re(3)	176(3)
CT1-N-CT5	113(2)
CT1-N-CT3	109(2)
CT5-N-CT3	107(2)
CT1-N-CT7	103(2)
CT5-N-CT7	113(2)
CT3-N-CT7	112(2)
N-CT1-CT2	117(3)
CT4-CT3-N	117(3)
N-CT5-CT6	114(3)
CT8-CT7-N	112(3)

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Table S4. Anisotropic displacement parameters [Å^2] for 4.
The anisotropic displacement factor exponent takes the form:
$-2\pi^2$ [h^2 a^{*2} U_{11} + ... + 2 h k a^* b^* U_{12}]

	U11	U22	U33	U23	U13	U12
Pt	.0594(8)	.0529(7)	.0521(11)	-.0030(7)	-.0017(7)	-.0058(6)
Re(1)	.0631(8)	.0625(8)	.0544(11)	-.0018(7)	.0019(7)	-.0081(7)
Re(2)	.0799(9)	.0496(7)	.0682(12)	-.0006(7)	-.0171(8)	-.0175(7)
Re(3)	.0486(7)	.0469(7)	.0527(11)	-.0027(6)	.0024(7)	-.0035(6)
Re(4)	.0471(7)	.0647(8)	.0807(13)	.0031(8)	-.0013(8)	-.0033(6)

Table S5. Final atomic coordinates for 4.

	x	y	z
Pt	.35303(14)	.19765(9)	.22860(8)
Re(1)	.44426(14)	.29804(10)	.07975(9)
Re(2)	.1831(2)	.14953(10)	.10387(10)
Re(3)	.43595(12)	.29387(9)	.38231(8)
Re(4)	.74589(14)	.20445(11)	.41187(10)
C	.293(5)	.071(4)	.268(3)
O	.262(4)	-.012(3)	.293(2)
C(11)	.570(5)	.174(4)	.094(3)
O(11)	.647(4)	.089(3)	.108(2)
C(12)	.590(4)	.390(3)	.105(2)
O(12)	.676(3)	.449(2)	.121(2)
C(13)	.512(4)	.306(3)	-.031(3)
O(13)	.544(3)	.318(2)	-.095(2)
C(14)	.313(3)	.428(2)	.071(2)
O(14)	.239(3)	.505(2)	.060(2)
C(21)	.299(4)	.014(3)	.090(2)
O(21)	.379(3)	-.063(3)	.084(2)
C(22)	.050(5)	.073(3)	.163(3)
O(22)	-.038(3)	.029(2)	.205(2)
C(23)	.079(5)	.133(4)	.018(3)
O(23)	.019(4)	.121(3)	-.045(3)
C(24)	.078(4)	.284(3)	.124(2)
O(24)	.016(3)	.366(2)	.141(2)
C(31)	.386(3)	.163(2)	.435(2)
O(31)	.351(2)	.084(2)	.465(2)
C(32)	.244(4)	.349(3)	.362(2)
O(32)	.123(3)	.381(2)	.355(2)

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O(33)	.444(3)	.397(2)	.546(2)
C(34)	.511(4)	.415(3)	.324(2)
O(34)	.559(3)	.487(2)	.293(2)
C(41)	.930(4)	.142(3)	.428(3)
O(41)	1.048(4)	.100(3)	.433(2)
C(42)	.789(5)	.251(4)	.303(4)
O(42)	.788(4)	.268(3)	.235(2)
C(43)	.793(4)	.347(3)	.445(3)
O(43)	.819(3)	.436(2)	.459(2)
C(44)	.670(3)	.174(2)	.525(2)
O(44)	.628(3)	.167(2)	.586(2)
C(45)	.672(4)	.068(3)	.377(2)
O(45)	.633(3)	-.011(2)	.352(2)
N	.923(3)	.697(2)	.263(2)
CT1	.906(4)	.609(3)	.210(2)
CT2	.918(4)	.635(3)	.122(2)
CT3	.900(4)	.646(3)	.348(2)
CT4	.916(6)	.732(4)	.411(3)
CT5	.806(4)	.788(3)	.248(3)
CT6	.649(4)	.754(3)	.253(3)
CT7	1.067(5)	.741(3)	.253(3)
CT8	1.202(5)	.666(4)	.267(3)
HY1	.3827	.3284	.1817
HY2	.3085	.2172	.0366
HY3	.5011	.2163	.2959
HT1A	.812(4)	.580(3)	.221(2)
HT1B	.980(4)	.551(3)	.222(2)
HT2A	.904(4)	.572(3)	.093(2)
HT2B	1.012(4)	.660(3)	.109(2)
HT2C	.844(4)	.691(3)	.108(2)
HT3A	.804(4)	.619(3)	.353(2)
HT3B	.971(4)	.586(3)	.356(2)
HT4A	.901(6)	.701(4)	.463(3)
HT4B	.845(6)	.791(4)	.403(3)
HT4C	1.012(6)	.757(4)	.407(3)
HT5A	.816(4)	.843(3)	.287(3)
HT5B	.823(4)	.819(3)	.196(3)
HT6A	.583(4)	.815(3)	.243(3)
HT6B	.629(4)	.725(3)	.305(3)
HT6C	.637(4)	.700(3)	.215(3)
HT7A	1.070(5)	.801(3)	.289(3)
HT7B	1.075(5)	.771(3)	.200(3)
HT8A	1.288(5)	.705(4)	.258(3)
HT8B	1.203(5)	.607(4)	.232(3)
HT8C	1.200(5)	.639(4)	.321(3)

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Table S6. Bond lengths [Å] and angles [deg] for 4.

Pt-C	1.81(5)
Pt-Re(2)	2.761(2)
Pt-Re(1)	2.913(2)
Pt-Re(3)	3.025(2)
Pt-HY1	1.827(2)
Pt-HY3	1.829(2)
Re(1)-C(11)	1.88(5)
Re(1)-C(12)	1.88(4)
Re(1)-C(13)	1.96(5)
Re(1)-C(14)	1.96(3)
Re(1)-Re(2)	3.145(2)
Re(1)-HY1	1.841(2)
Re(1)-HY2	1.834(2)
Re(2)-C(23)	1.79(6)
Re(2)-C(22)	1.86(5)
Re(2)-C(24)	1.90(4)
Re(2)-C(21)	1.95(4)
Re(2)-HY2	1.832(2)
Re(3)-C(32)	1.89(3)
Re(3)-C(31)	1.91(3)
Re(3)-C(33)	1.92(4)
Re(3)-C(34)	1.94(4)
Re(3)-Re(4)	3.041(2)
Re(3)-HY3	1.835(2)
Re(4)-C(41)	1.84(4)
Re(4)-C(43)	1.96(4)
Re(4)-C(45)	1.99(3)
Re(4)-C(42)	1.96(6)
Re(4)-C(44)	2.05(4)
C-O	1.16(5)
C(11)-O(11)	1.26(5)
C(12)-O(12)	1.16(4)
C(13)-O(13)	1.14(4)
C(14)-O(14)	1.15(3)
C(21)-O(21)	1.17(4)
C(22)-O(22)	1.21(5)
C(23)-O(23)	1.23(5)
C(24)-O(24)	1.18(4)
C(31)-O(31)	1.16(3)
C(32)-O(32)	1.17(4)
C(33)-O(33)	1.16(4)
C(34)-O(34)	1.14(4)
C(41)-O(41)	1.18(4)
C(42)-O(42)	1.17(5)
C(43)-O(43)	1.17(4)
C(44)-O(44)	1.10(4)
C(45)-O(45)	1.15(4)
N-CT1	1.46(4)
N-CT7	1.48(5)
N-CT5	1.53(4)
N-CT3	1.57(4)
CT1-CT2	1.51(5)
CT3-CT4	1.55(6)
CT5-CT6	1.53(5)

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CT5-CT6	1.53(5)
CT7-CT8	1.52(5)
C-Pt-Re(2)	82.2(14)
C-Pt-Re(1)	140.4(14)
Re(2)-Pt-Re(1)	67.26(6)
C-Pt-Re(3)	98.7(14)
Re(2)-Pt-Re(3)	159.11(6)
Re(1)-Pt-Re(3)	118.92(6)
C-Pt-HY1	170.2(13)
Re(2)-Pt-HY1	89.63(7)
Re(1)-Pt-HY1	37.57(4)
Re(3)-Pt-HY1	87.08(6)
C-Pt-HY3	99.6(14)
Re(2)-Pt-HY3	166.27(8)
Re(1)-Pt-HY3	104.61(7)
Re(3)-Pt-HY3	34.42(4)
HY1-Pt-HY3	89.59(7)
C(11)-Re(1)-C(12)	93(2)
C(11)-Re(1)-C(13)	89(2)
C(12)-Re(1)-C(13)	88(2)
C(11)-Re(1)-C(14)	177(2)
C(12)-Re(1)-C(14)	86.7(13)
C(13)-Re(1)-C(14)	94.2(14)
C(11)-Re(1)-Pt	74(2)
C(12)-Re(1)-Pt	106.2(12)
C(13)-Re(1)-Pt	157.6(10)
C(14)-Re(1)-Pt	103.4(10)
C(11)-Re(1)-Re(2)	87.5(14)
C(12)-Re(1)-Re(2)	159.3(13)
C(13)-Re(1)-Re(2)	112.3(11)
C(14)-Re(1)-Re(2)	92.0(9)
Pt-Re(1)-Re(2)	54.06(5)
C(11)-Re(1)-HY1	102(2)
C(12)-Re(1)-HY1	81.7(12)
C(13)-Re(1)-HY1	165.2(10)
C(14)-Re(1)-HY1	74.3(10)
Pt-Re(1)-HY1	37.23(4)
Re(2)-Re(1)-HY1	78.11(6)
C(11)-Re(1)-HY2	90.4(14)
C(12)-Re(1)-HY2	169.5(13)
C(13)-Re(1)-HY2	81.6(11)
C(14)-Re(1)-HY2	90.9(9)
Pt-Re(1)-HY2	84.32(7)
Re(2)-Re(1)-HY2	30.91(4)
HY1-Re(1)-HY2	107.52(8)
C(23)-Re(2)-C(22)	89(2)
C(23)-Re(2)-C(24)	91(2)
C(22)-Re(2)-C(24)	92(2)
C(23)-Re(2)-C(21)	94(2)
C(22)-Re(2)-C(21)	88(2)
C(24)-Re(2)-C(21)	176(2)
C(23)-Re(2)-Pt	173(2)
C(22)-Re(2)-Pt	96.5(14)
C(24)-Re(2)-Pt	85.8(12)
C(21)-Re(2)-Pt	90.0(11)
C(23)-Re(2)-Re(1)	115(2)
C(22)-Re(2)-Re(1)	154.8(14)

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C(24)-Re(2)-Re(1)	82.2(11)
C(21)-Re(2)-Re(1)	95.8(11)
Pt-Re(2)-Re(1)	58.68(6)
C(23)-Re(2)-HY2	85(2)
C(22)-Re(2)-HY2	174.1(14)
C(24)-Re(2)-HY2	90.2(12)
C(21)-Re(2)-HY2	89.9(11)
Pt-Re(2)-HY2	88.94(7)
Re(1)-Re(2)-HY2	30.94(4)
C(32)-Re(3)-C(31)	97.0(14)
C(32)-Re(3)-C(33)	95(2)
C(31)-Re(3)-C(33)	88.3(14)
C(32)-Re(3)-C(34)	89.7(14)
C(31)-Re(3)-C(34)	172.1(13)
C(33)-Re(3)-C(34)	95(2)
C(32)-Re(3)-Pt	73.3(11)
C(31)-Re(3)-Pt	87.9(9)
C(33)-Re(3)-Pt	167.2(10)
C(34)-Re(3)-Pt	90.0(11)
C(32)-Re(3)-Re(4)	178.9(11)
C(31)-Re(3)-Re(4)	83.4(8)
C(33)-Re(3)-Re(4)	86.1(10)
C(34)-Re(3)-Re(4)	89.9(10)
Pt-Re(3)-Re(4)	105.62(6)
C(32)-Re(3)-HY3	107.1(11)
C(31)-Re(3)-HY3	89.5(9)
C(33)-Re(3)-HY3	157.9(10)
C(34)-Re(3)-HY3	84.5(11)
Pt-Re(3)-HY3	34.29(4)
Re(4)-Re(3)-HY3	71.78(6)
C(41)-Re(4)-C(43)	95(2)
C(41)-Re(4)-C(45)	93(2)
C(43)-Re(4)-C(45)	172.4(14)
C(41)-Re(4)-C(42)	94(2)
C(43)-Re(4)-C(42)	88(2)
C(45)-Re(4)-C(42)	92(2)
C(41)-Re(4)-C(44)	95(2)
C(43)-Re(4)-C(44)	89(2)
C(45)-Re(4)-C(44)	90.0(14)
C(42)-Re(4)-C(44)	170(2)
C(41)-Re(4)-Re(3)	176.3(12)
C(43)-Re(4)-Re(3)	89.0(10)
C(45)-Re(4)-Re(3)	83.4(9)
C(42)-Re(4)-Re(3)	86.0(13)
C(44)-Re(4)-Re(3)	85.0(8)
O-C-Pt	177(4)
O(11)-C(11)-Re(1)	176(4)
O(12)-C(12)-Re(1)	178(3)
O(13)-C(13)-Re(1)	175(3)
O(14)-C(14)-Re(1)	174(3)
O(21)-C(21)-Re(2)	174(3)
O(22)-C(22)-Re(2)	176(4)
O(23)-C(23)-Re(2)	174(5)
O(24)-C(24)-Re(2)	176(4)
O(31)-C(31)-Re(3)	178(3)
O(32)-C(32)-Re(3)	175(3)
O(33)-C(33)-Re(3)	179(3)
O(34)-C(34)-Re(3)	177(3)

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O(41)-C(41)-Re(4)	176(4)
O(42)-C(42)-Re(4)	165(4)
O(43)-C(43)-Re(4)	175(4)
O(44)-C(44)-Re(4)	174(3)
O(45)-C(45)-Re(4)	176(3)
CT1-N-CT7	112(3)
CT1-N-CT5	110(3)
CT7-N-CT5	108(3)
CT1-N-CT3	105(3)
CT7-N-CT3	112(3)
CT5-N-CT3	110(2)
N-CT1-CT2	117(3)
CT4-CT3-N	110(3)
CT6-CT5-N	115(3)
N-CT7-CT8	118(4)

Figure captions for supplementary material

Figure S1. Hydridic region of a 2D EXSY experiment performed at 295 K on a reaction mixture obtained from the decomposition of **4** at room temperature (see Figure 4 and the Experimental part).

Figure S2. ^{1}H (left) and ^{13}C (right) spectra (THF-d_8, 200 MHz, 213 K) showing the evolution of a solution (a) of compound **1**, (b) after the addition of NaOMe in anhydrous methanol, and (c) after several days at 253 K. The arrows mark the resonances of the carbonyls bound to Pt, identified by the satellites (not shown) in the spectra (a) and (b), but not in (c), due to the higher noise.

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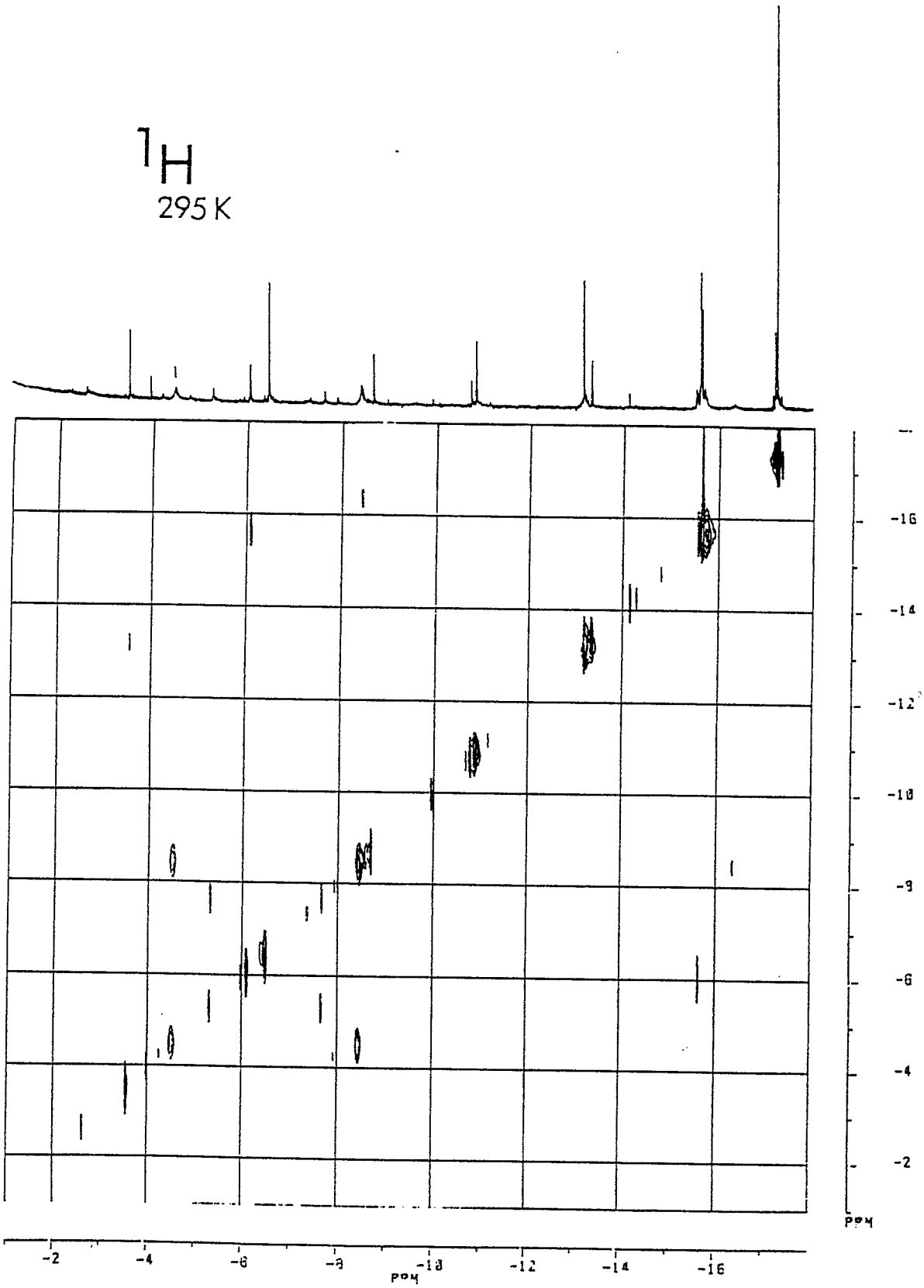

FIGURE S1

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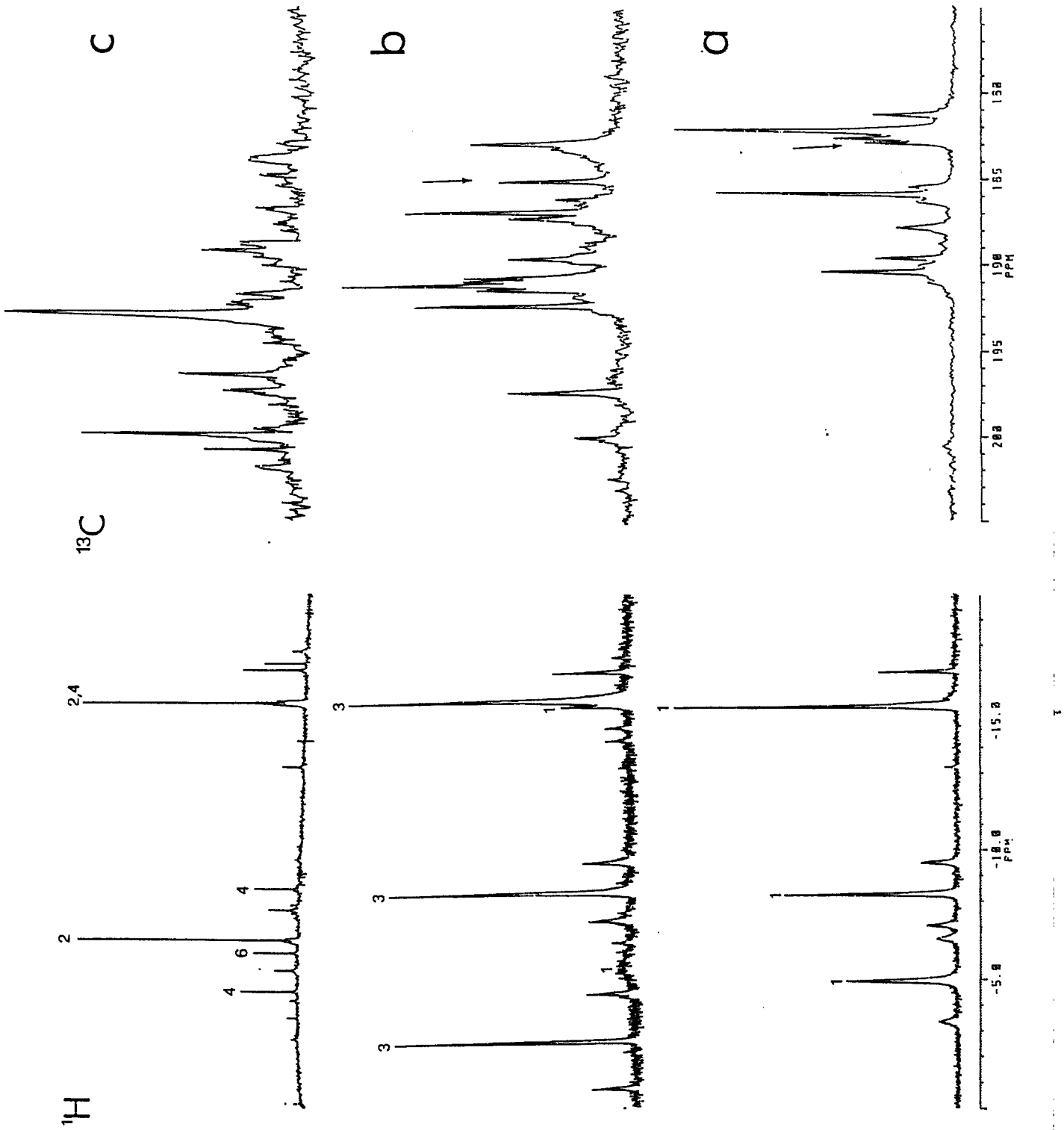

FIGURE S2