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Supporting information for article:

Side-chain conformations in the isomorphous polyfluorinated {4,4′-bis[(2,2-difluoroethoxy)methyl]-2,2′-bipyridine-κ^2*N*,*N*′}dichlorido-palladium and -platinum complexes

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Dichloro-[4,4′-bis(2,2-difluoroethoxymethyl)-2,2′-bipyridine]-palladium and -platinium

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Supporting materials: Figure S1, Figure S2 and Table S1 are listed in ppS1, ppS2 and ppS3, respectively.

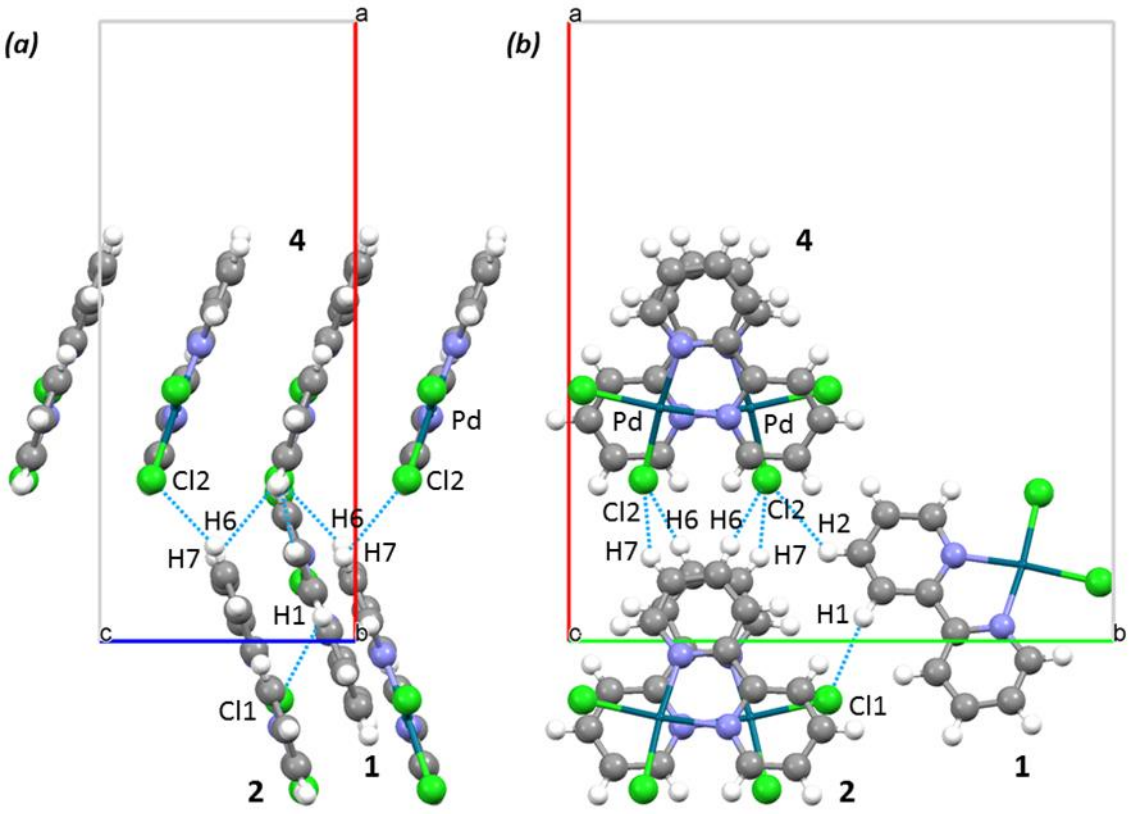

Figure S1. The (a) side view and (b) top view of stacked column(s) of (bpy)$PdCl_2$ (4 layers, 2 layers, and 1 layer, labeled with bold letters **4**, **2**, and **1**, respectively; Canty *et al.*, 1992). The C–H···Cl hydrogen bonds are shown in blue dotted lines. Color codes: Pd indigo, Cl green, N blue, C black, H white.

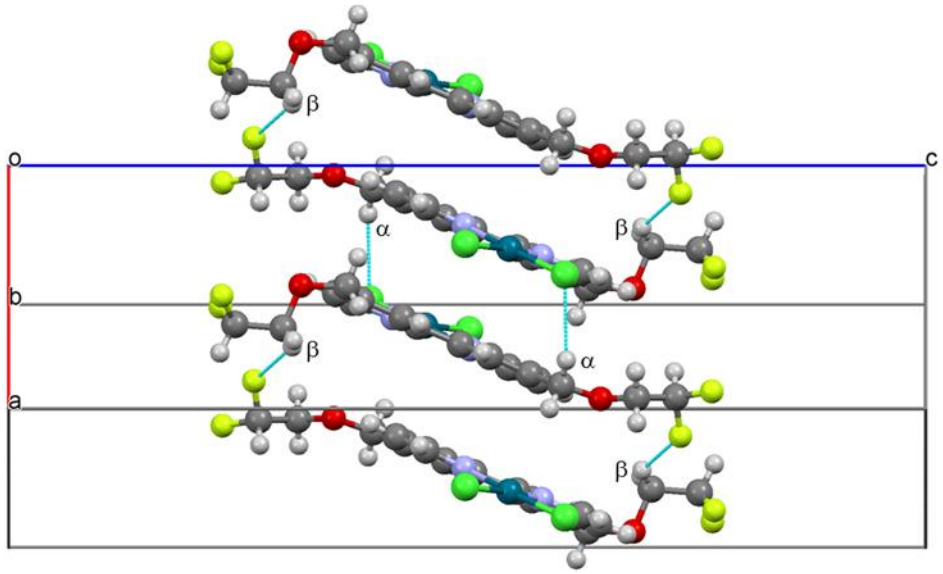

Figure S2. A stacking column of **3**, showing the π···π supramolecular interactions (Lu, Ou & Feng *et al.*, 2012). The middle inversion-related π dimer-pair is (α, β, α, β) static isomer (via a bifurcation bond involving α, β hydrogens). The top and bottom π dimer-pairs are (β, β) static isomers. Color codes: Pd indigo, Cl green, F yellow green, O red, N blue, C black, H white.

Table S1. The C–H···O, C–H···Cl, and C–H···F hydrogen bonding geometry (Å , º) together with the C–F···F–C interaction geometry (Å , º) in compound **2**

D–H···A	**Symm. Code**	**D–H**	**H···A**	**D···A**	**D–H···A**
C2–H2···Cl1	3/2-x,1/2+y,z	0.95	2.85	3.777(3)	165
C5–H5···Cl2		0.95	2.69	3.278(3)	121
C5–H5···F4	3/2-x,1-y,1/2+z	0.95	2.51	3.205(4)	131
C7–H7···Cl1	3/2-x,1/2+y,z	0.95	2.59	3.509(3)	163
C9–H9···O2		0.95	2.39	2.727(4)	100
C10–H10···Cl1	-1/2+x,1/2-y,1-z	0.95	2.93	3.314(3)	105
C10–H10···Cl2	-1/2+x,3/2-y,1-z	0.95	2.96	3.720(3)	138
C11–H11B···Cl2	3/2-x,1/2+y,z	0.99	2.94	3.879(3)	158
C12–H12A···F3	1-x,1-y,1-z	0.99	2.58	3.345(4)	134
C12–H12B···Cl2	3/2-x,1/2+y,z	0.99	2.90	3.718(3)	141
C13–H13···F1	-1/2+x,y,3/2-z	0.97(4)	2.60(4)	3.257(4)	125(3)
C13–H13···O1	-1/2+x,y,3/2-z	0.97(4)	2.30(4)	3.249(4)	167(3)
C13–F2···F4	1/2+x,3/2-y,1-z	1.362(4)	2.804(4)	4.119(4)	161.7(2)
C14–H14B···Cl2	2-x,1-y,1-z	0.99	2.73	3.671(3)	158
C16–H16···F1	3/2-x,1-y,-1/2+z	1.06(5)	2.60(5)	3.263(4)	121(3)
C16–H16···F3	1/2+x,y,1/2-z	1.06(5)	2.30(5)	3.211(5)	144(4)
C16–F4···F2	-1/2+x,3/2-y,1-z	1.360(4)	2.804(4)	3.645(4)	117.9(2)