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## SUPPORTING INFORMATION

## Tuning the strength of the resonance-assisted hydrogen bond in acenes and phenacenes with two *o*hydroxyaldehyde groups. The importance of topology

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Fig. S1 – Linear correlation between PDI for the *ipso* and *quasi*-rings for triphenylene-like compound. Grey for KM-Ln A' *quasi*-ring, yellow for KM-Ln B' *quasi*-ring, red for KP-Lnb and blue for KP-Lna, being n the number of added benzene rings (see Fig. 6 in text) S2

**Fig. S2** – Linear correlation between aromaticity of the *ipso*-ring and RAHB bond length for the triphenylene-like compound. Grey for **KM-Ln A**' *quasi*-ring, yellow for **KM-Ln B**' *quasi*-ring, red for **KP-Lnb** and blue for **KP-Lna**, being n the number of added benzene rings (see Fig. 6 in text). **S2** 



**Fig. S1** – Linear correlation between PDI for the *ipso* and *quasi*-rings for triphenylenelike compound. Grey for **KM-Ln A'** *quasi*-ring, yellow for **KM-Ln B'** *quasi*-ring, red for **KP-Lnb** and blue for **KP-Lna**, being n the number of added benzene rings (see Fig. 6 in text).



**Fig. S2** – Linear correlation between aromaticity of the *ipso*-ring and RAHB bond length for the triphenylene-like compound. Grey for **KM-Ln A'** *quasi*-ring, yellow for **KM-Ln B'** *quasi*-ring, red for **KP-Lnb** and blue for **KP-Lna**, being n the number of added benzene rings (see Fig. 6 in text).