**Supplementary Table: 2** Rankings of 80 chickpea genotypes on AMMI-Estimates for mean seed yield (g/plot) in six environments

| Code  | Genotype | Desc. | Status   | Source  | Ranked on AMMI-Estimates (g/plot) | Env-1 | Env-2 | Env-3 | Env-4 | Env-5 | Env-6 |
|-------|----------|-------|----------|---------|-----------------------------------|-------|-------|-------|-------|-------|-------|
| G1    | CH40/09  | Desi  | Adv. line| NIAB-Fsd| G64 G73 G48 G48 G3 G49          |       |       |       |       |       |       |
| G2    | CH39/08  | Desi  | Adv. line| NIAB-Fsd| G42 G10 G2 G2 G11 G14          |       |       |       |       |       |       |
| G3    | DCD      | Desi  | Adv. line| AZRI-DIK| G53 G14 G41 G49 G73 G48          |       |       |       |       |       |       |
| G4    | CH49/09  | Desi  | Adv. line| NIAB-Fsd| G52 G11 G49 G11 G10 G73          |       |       |       |       |       |       |
| G5    | NIFA-2   | Desi  | Adv. line| NIFA-PSR| G62 G9 G63 G8 G18 G16          |       |       |       |       |       |       |
| G6    | AZC      | Desi  | Adv. line| AZRI-BWP| G14 G16 G19 G10 G77 G10          |       |       |       |       |       |       |
| G7    | *NIFA-*1 | Desi  | Adv. line| NIFA-PSR| G16 G12 G57 G9 G9 G42          |       |       |       |       |       |       |
| G8    | D-13036  | Desi  | Adv. line| AARI-Fsd| G23 G20 G74 G73 G20 G9          |       |       |       |       |       |       |
| G9    | D-13012  | Desi  | Adv. line| AARI-Fsd| G73 G8 G60 G3 G22 G8          |       |       |       |       |       |       |
| G10   | D-14005  | Desi  | Adv. line| AARI-Fsd| G71 G18 G1 G1 G17 G57          |       |       |       |       |       |       |
| G11   | BRC-457  | Desi  | Adv. line| -------- | G21 G49 G45 G19 G8 G53          |       |       |       |       |       |       |
| G12   | D-13011  | Desi  | Adv. line| AARI-Fsd| G49 G17 G44 G14 G12 G23          |       |       |       |       |       |       |
| G13   | CH32/10  | Desi  | Adv. line| NIAB-Fsd| G60 G21 G51 G17 G78 G62          |       |       |       |       |       |       |
| G14   | D-13029  | Desi  | Adv. line| AARI-Fsd| G68 G77 G36 G76 G14 G2          |       |       |       |       |       |       |
| G15   | D-13031  | Desi  | Adv. line| AARI-Fsd| G57 G3 G58 G12 G29 G12          |       |       |       |       |       |       |
| G16   | CM584/09 | Desi  | Adv. line| NIAB-Fsd| G63 G23 G54 G13 G2 G58          |       |       |       |       |       |       |
| G17   | D-13030  | Desi  | Adv. line| AARI-Fsd| G10 G29 G37 G4 G76 G51          |       |       |       |       |       |       |
| G18   | K-01216  | Kabuli| Adv. line| AARI-Fsd| G12 G15 G8 G16 G4 G17          |       |       |       |       |       |       |
| G19   | K002-10  | Kabuli| Adv. line| AARI-Fsd| G58 G78 G13 G56 G1 G21          |       |       |       |       |       |       |
| G20   | CH55/09  | Kabuli| Adv. line| NIAB-Fsd| G72 G4 G76 G57 G33 G52          |       |       |       |       |       |       |
| G21   | K-01211  | Kabuli| Adv. line| AARI-Fsd| G9 G48 G59 G78 G16 G11          |       |       |       |       |       |       |
| G22   | CH56/09  | Kabuli| Adv. line| NIAB-Fsd| G51 G53 G24 G18 G49 G63          |       |       |       |       |       |       |
| G23   | CH61/09  | Kabuli| Adv. line| NIAB-Fsd| G69 G72 G56 G59 G13 G68          |       |       |       |       |       |       |
| G24   | CH74/08  | Kabuli| Adv. line| NIAB-Fsd| G20 G2 G39 G54 G56 G64          |       |       |       |       |       |       |
| G25   | TG12K-07 | Kabuli| Adv. line| AZRI-Bhk| G8 G42 G25 G77 G21 G60          |       |       |       |       |       |       |
| G26   | CH72/08  | Kabuli| Adv. line| NIAB-Fsd| G70 G13 G68 G58 G80 G20          |       |       |       |       |       |       |
| G27   | BKK2174  | Kabuli| Adv. line| NIAB-Fsd| G28 G56 G14 G51 G15 G74          |       |       |       |       |       |       |
| G28   | CH76/08  | Kabuli| Adv. line| NIAB-Fsd| G74 G58 G4 G25 G27 G4          |       |       |       |       |       |       |
| G29   | CH77/08  | Kabuli| Adv. line| NIAB-Fsd| G15 G76 G9 G80 G48 G13          |       |       |       |       |       |       |
| G30   | K-01209  | Kabuli| Adv. line| AARI-Fsd| G26 G71 G42 G20 G61 G15          |       |       |       |       |       |       |
| G31   | DG-2017  | Kabuli| Adv. line| Dokri-Lrk| G48 G25 G16 G27 G47 G41          |       |       |       |       |       |       |
| G32   | QG-1     | Kabuli| Adv. line| QAARI-Lrk| G50 G62 G11 G41 G59 G25          |       |       |       |       |       |       |
| G33   | K-01241  | Kabuli| Adv. line| AARI-Fsd| G17 G22 G80 G22 G19 G56          |       |       |       |       |       |       |
| G34   | K-01308  | Kabuli| Adv. line| AARI-Fsd| G67 G61 G62 G15 G72 G54          |       |       |       |       |       |       |
| G35   | K-01242  | Kabuli| Adv. line| AARI-Fsd| G25 G57 G17 G74 G25 G18          |       |       |       |       |       |       |
| G36   | K-01248  | Kabuli| Adv. line| AARI-Fsd| G4 G59 G40 G47 G54 G59          |       |       |       |       |       |       |
| G37   | K-1221   | Kabuli| Adv. line| AARI-Fsd| G61 G52 G64 G29 G6 G28          |       |       |       |       |       |       |
| G38   | K-01302  | Kabuli| Adv. line| AARI-Fsd| G41 G51 G38 G36 G5 G76          |       |       |       |       |       |       |
| G39   | K-01250  | Kabuli| Adv. line| AARI-Fsd| G7 G80 G27 G33 G66 G29          |       |       |       |       |       |       |
| G40   | CM877/10 | Kabuli| Adv. line| NIAB-Fsd| G24 G26 G47 G37 G55 G77          |       |       |       |       |       |       |
| G41   | CM616/10 | Kabuli| Adv. line| NIAB-Fsd| G5 G27 G28 G23 G26 G19          |       |       |       |       |       |       |
| G42   | K-01219  | Kabuli| Adv. line| AARI-Fsd| G29 G54 G10 G66 G58 G78          |       |       |       |       |       |       |
| G43   | K-01240  | Kabuli| Adv. line| AARI-Fsd| G35 G6 G23 G24 G23 G24          |       |       |       |       |       |       |
| Code | Cultivar/Line | Origin | Source | Endosperm Type | Yield (Kg/ha) | Protein (%) | Test Weight (Kg) | Leaf Color | Other Traits |
|------|--------------|--------|--------|----------------|--------------|-------------|----------------|------------|--------------|
| G44  | K-01388      | Kabuli | Adv. line | AARI-Fsd | G6  | G5  | G79  | G21  | G79  | G1  |
| G45  | TG12K10      | Kabuli | Adv. line | AZRI-Bhk | G66 | G66 | G12  | G55  | G34  | G37 |
| G46  | TG12K02      | Kabuli | Adv. line | AZRI-Bhk | G18 | G1  | G70  | G6   | G43  | G72 |
| G47  | 09 AG 006    | Desi  | Adv. line | NIAB-Fsd | G45 | G28 | G66  | G79  | G50  | G71 |
| G48  | CH28/07      | Desi  | Adv. line | NIAB-Fsd | G13 | G68 | G78  | G68  | G75  | G66 |
| G49  | CH10/08      | Desi  | Adv. line | NIAB-Fsd | G56 | G50 | G55  | G42  | G51  | G6  |
| G50  | CM1036-09    | Desi  | Adv. line | NIAB-Fsd | G54 | G33 | G30  | G28  | G71  | G80 |
| G51  | CH 1/11      | Desi  | Adv. line | NIAB-Fsd | G59 | G55 | G35  | G63  | G28  | G50 |
| G52  | CH 2/11      | Desi  | Adv. line | NIAB-Fsd | G37 | G67 | G73  | G62  | G67  | G27 |
| G53  | CH 3/11      | Desi  | Adv. line | NIAB-Fsd | G77 | G19 | G15  | G44  | G57  | G5  |
| G54  | CH13/11      | Desi  | Adv. line | NIAB-Fsd | G65 | G47 | G6   | G5   | G36  | G26 |
| G55  | CH50/11      | Desi  | Adv. line | NIAB-Fsd | G11 | G79 | G33  | G34  | G37  | G45 |
| G56  | CH28/10      | Desi  | Adv. line | NIAB-Fsd | G38 | G24 | G53  | G53  | G53  | G3  |
| G57  | CH63/11      | Kabuli| Adv. line | NIAB-Fsd | G30 | G74 | G3   | G50  | G24  | G55 |
| G58  | CH61/10      | Kabuli| Adv. line | NIAB-Fsd | G55 | G37 | G34  | G39  | G68  | G70 |
| G59  | CH69/09      | Kabuli| Adv. line | NIAB-Fsd | G2  | G34 | G52  | G45  | G46  | G36 |
| G60  | CH54/07      | Desi  | Adv. line | NIAB-Fsd | G78 | G75 | G50  | G26  | G62  | G61 |
| G61  | Karak-2      | Desi  | Adv. line | ARS-Krk | G76 | G7  | G5   | G60  | G42  | G35 |
| G62  | PB-2000      | Desi  | Adv. line | AARI-Fsd | G27 | G35 | G29  | G61  | G7   | G79 |
| G63  | D-07509      | Desi  | Adv. line | AARI-Fsd | G46 | G36 | G69  | G38  | G30  | G67 |
| G64  | CH-23/00     | Kabuli| Adv. line | NIAB-Fsd | G80 | G43 | G18  | G40  | G35  | G38 |
| G65  | ILC-3279     | Desi  | Trad. line | ICRISAT | G79 | G30 | G32  | G72  | G40  | G69 |
| G66  | Bittel-16    | Desi  | Cultivar | AARI-Fsd | G75 | G46 | G77  | G30  | G52  | G47 |
| G67  | CM-88        | Desi  | Adv. line | NIAB-Fsd | G32 | G41 | G20  | G35  | G74  | G44 |
| G68  | CH-2016      | Desi  | Adv. line | NIAB-Fsd | G36 | G38 | G22  | G52  | G38  | G30 |
| G69  | Paidar-91    | Desi  | Cultivar | AARI-Fsd | G44 | G60 | G21  | G43  | G39  | G7  |
| G70  | E-26         | Desi  | Trad. line | ICRISAT | G34 | G70 | G46  | G67  | G65  | G33 |
| G71  | Karak-98     | Desi  | Adv. line | NIFA-PSR | G19 | G63 | G7   | G46  | G44  | G22 |
| G72  | 6153         | Desi  | Trad. line | ICRISAT | G1  | G64 | G26  | G75  | G41  | G34 |
| G73  | CH15/11      | Desi  | Adv. line | NIAB-Fsd | G39 | G65 | G43  | G7   | G31  | G39 |
| G74  | K-850        | Desi  | Trad. line | ICRISAT | G47 | G69 | G31  | G70  | G70  | G46 |
| G75  | Aug 424      | Desi  | Cultivar | ICRISAT | G43 | G39 | G67  | G71  | G69  | G75 |
| G76  | BKK 2174     | Desi  | Adv. line | NIAB-Fsd | G33 | G44 | G61  | G69  | G45  | G43 |
| G77  | CH74/10      | Kabuli| Adv. line | NIAB-Fsd | G22 | G45 | G75  | G64  | G32  | G40 |
| G78  | BK-2011      | Kabuli| Cultivar | AZRI-Bhk | G3  | G40 | G72  | G31  | G63  | G65 |
| G79  | Noor-13      | Kabuli| Cultivar | AARI-Fsd | G31 | G32 | G71  | G32  | G60  | G32 |
| G80  | CM2008       | Kabuli| Cultivar | NIAB-Fsd | G40 | G31 | G65  | G65  | G64  | G31 |

**Abbreviation:** Descriptor (Desc.)